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Result
No.
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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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seg length: 2000000000
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Gapop 10.0 , Gapext 0.5
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1786
1 MSPSPTALFCLGLCLGRVPA.....KSHGGQDGGRQDVHSRGLCS 339
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Match Length
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1: piri:*
2: pir2:*
3: pir3:*
4: pir4:*
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   GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd
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  SUMMARIES
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39	LAGFLAEDWHSRRKRLRH	EFSEATAELTVSFTNKVFT 240 [RASFPIITVTAAHSGTYRC 180 RASFPIITVTAAHSGTYRC 180	CLELVATGVFAKPSISACP 120 - - CLELVATGVFAKPSISACP 120	KPVTLRCCGPPGVDLYRLE 60	Length 339; Indels 0; Saps 0;	,,	bulin superfamily, is the maj	mal localization, and alterna	t_change 30-Jun-2001		neural cell adhesi duttl protein - mo Fc-gamma receptor connectin/titin - IGE Fc receptor al Fc gamma (IGG) rec hypothetical prote Fc gamma (IGG) rec vascular cell adhe related to glucan long chain fatty a Fc gamma (IGG) rec Fc gamma receptor transmembrane rece glucan 1,4-alpha-g

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RESULT 2

CC5897

killer cell inhibitory receptor p91 precursor - human

C;Species: Homo sapiens (man)

C;Species: Homo sapiens (man)

C;Date: 16-Mar-1998 #sequence_revision 18-Mar-1998 #text_change 05-Nov-1999

C;Accession: JC5897

R;Yamashita, Y:; Fukuta, D:; Tsuji, A.; Nagabukuro, A.; Matsuda, Y.; Nishikawa, Y.

Biochem. 123, 358-368, 1998

A;Title: Genomic structures and chromosomal location of p91, a novel murine regul

A;Reference number: JC5894; MUID:98218758; PMID:9538215

A;Maccession: JC5897

A;Status: nucleic acid sequence not shown

A;Molecule type: mRNA

A;Residues: 1-466 < YAM>

A;Residues: 1-466 < YAM>

C;Comment: This protein function as ingibitory cell-surface molecule against coli

C;Genetics:
                                                                                                              RESULT 3
I46020
FC gamma 2 receptor precursor - bovinc
C)Species: Bos primigenius taurus (cattle)
C)Species: Bos primigenius taurus (cattle)
C;Cate: 16-Aug-1996 #sequence_revision 16-Aug-1996 #text_change 05-N
C;Accession: I46020; S53.15
R;Zhang, G.; Young, J.R.; Tregaskes, C.A.; Sopp, P.; Howard, C.J.
J. Immunol. 155, 1534-1541, 1995
A;Title: Identification of a novel class of mammalian Fc gamma receptor
A;Reference number: I46020; MUID:95363119; PMID:7636215
A;Accession: I46020
A;Status: preliminary; translated from GB/EMEL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-264 <ZHA>
A;Cross-references: EMBL:237506; NID:g732571; PIDN:CAA85736.1; PID:gC;Keywords: immunoglobulin receptor
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Matches 126
  Query Match
Sest Local Similarity
Matches 112; Conserv
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36.1%; Fred. No. 9.1e-24;
                          23.9%;
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    37;
Score 426.5; DB 2;
Pred. No. 6.5e-24;
7; Mismatches 87;
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    109;
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A;Residues: 1-287 cMAL>
A;Cross-references: GB:X54150; NID:g31329; PIDN:CAA38089.1;
A;Experimental source: myeloid cell liver V937
R;de Wit, T.P.; Morton, H.C.; Capel, P.J.; van de Winkel, J.
J. Immunol. 155, 1203-1209, 1995
A;Title: Structure of the gene for the human myeloid IgA Fc
A;Reference number: I37224; MUID:95363085; PMID:7636188
A;Accession: I37224
A;Status: preliminary; translated from GB/EMBL/DDBJ
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N;Alternate names: myeloid glycoprotein CD89
C;Species: Homo sapiens (man)
C;Species: 12-Feb-1993 #sequence revision 12-Feb-1993 #text_change 05-Nov-1999
C;Accession: JH0332; I37224; S14405
C;Accession: JH0332; I37224; S14405
R;Maliszewski, C.R.; March, C.J.; Schoenborn, M.A.; Gimpel, S.; Shen, L.
J_Exp. Med. 172, 1665-1672, 1990
                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: GDB:127543; CMIM:147045
A;Map position: 19q13.2-19q13.4
A;Introns: 12/1; 24/1; 121/1; 217/1
C;Keywords: glycoprotein; immunoglobulin receptor; transmembran F;1-21/Domain: signal sequence #status predicted <SIG> F;22-287/Product: IgA receptor Fc alpha #status predicted <MFC> F;228-246/Domain: transmembrane #status predicted <MRA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Title: Expression cloning of a human Fc receptor for A;Reference number: CH0332; MUID:91079769; PMID:2258698 A;Accession: JH0332
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Molecule type: DNA
A;Residues: 1-287 <RES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Molecule type: mRNA
A;Residues: 1-287 <MAI
                                                                                                                                                                                                                                       Best Los
Matches
                                                                                                                                                                                                                                                                                               Query Match
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des 100; Conserv
                                                                                                                                                                                                                                                                                                                                                         ,141,177,186/Binding site: carbohydrate
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    61 MIIKNSTYREIGRRLKFWNETDPEFVIDHMDANKAGRYQCQYRIGHYRFRYSDTLELVVT 120
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                                                                                                                   MDPKQTTLLCLVLCLGQRIQAQEGDFPMPFISAKSSPVIPLDGSVKIQCQAIREAYLTQL 60
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                                                       EKLSSSRYQD-----QAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVAT
                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                  21.9%;
                                                                                                                                                                                                                                          43.
                                                                                                                                                                                                                                       Score 392; DB 2;
Pred. No. 2.3e-21;
3; Mismatches 110
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                                                                                                                                                                                                                                              110;
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A;Map position: 7

A;Map position: 7

F;1-23/Domain: signal sequence #status predicted <SIG>
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-841/Product: killer cell inhibitory receptor p91A #status
F;24-118,119-220,221-315,316-418,419-517,518-618/Domain: extrac
F;636-674/Domain: transmembrane #status predicted <TMM>
F;675-765/Domain: cytoplasmic #status predicted <CYT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Species: Mus musculus (house mouse)
C;Date: 18-Mar-1998 #sequence_revision 18-Mar-1998 #text_change 17-Mar-1999
C;Accession: JC5894
R;Yamashita, Y.; Fukuta, D.; Tsuji, A.; Magabukuro, A.; Matsuda, Y.; Mishikawa, J. Biochem. 123, 358-368, 1998
A;Title: Genomic structures and chromosomal location of p91, a novel murine reg: A;Reference number: JC5894; MUID:98218758; PMID:9538215
A;Accession: JC5894
                killer cell inhibitory receptor p91C precursor - mouse C;Species: Mus musculus (house mouse)
C;Date: 18-Mar-1998 #sequence_revision 18-Mar-1998 #text
C;Accession: JC5896
R;Yamashita, Y.; Fukuta, D.; Tsuji, A.; Nagabukuro, A.;
J. Biochem. 123, 358-368, 1998
A;Title: Genomic structures and chromosomal location of A;Reference number: JC5894; MUID:98218758; PMID:9538215
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JC5894

Killer dell inhibitory receptor p91A precursor - mouse
C;Species: Mus musculus (house mouse)
C;Species: 18-Mar-1998 #sequence_revision 18-Mar-1998 #text_change 17-Mar-1999
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Jaa
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A;Residues: 1-841 <YAM>
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Best Local S
Matches 80
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38.5%;
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Pred. No. 2.2e-19;
5; Mismatches 76;
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extracellular Id
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د.
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                                                                                Chya
Killer cell inhibitory receptor p918 pr
C;Species: Mus musculus (house mouse)
C;Date: 18-Mar-1998 #sequence_revision
C;Accession: JC5895
R;Yamashita, Y.; Fukuta, D.; Tsuji, A.;
J. Biochem. 123, 358-368, 1998
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A;Molecule type: mRNA
A;Residues: 1-635 <YAM>
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A;Molecule type: "DN"
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R;van Dijk, T.B.; Morton, H.C.; Caldenhoven,
submitted to the EMBL Data Library, April 19
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A;Accession: G02630
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A; Residues: 1-239 < VAN>
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Matches 84
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;Date: 21-Dec-1996 #sequence_revision 06-Jun-1997
;Accession: G02630
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GPVDLNVSGIYRCYGWYNRSPYLWSFPSNALELVVTG
                                                            ITVTAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTG 204
                                                                                                                                                                                              GVFAKPSLSAQPGPAVSSGGDVTLQCQTRY-GFDQFALYKSGDPAPYKNPERWYRASFPI
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Pred. No. 5.2e-19;
5; Mismatches 85
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Pred. No. 5.2e-19;
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Fukuta, D.; Tsuji, A.; Nagabukuro, 358-368, 1998

precursor

18-Mar-1998

#text

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05-Nev-1999

A.; Matsuda,

¥.;

Nishikawa,

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RESULT 9
G01925
KIR (c1-11) NK receptor precursor protein - human
C/Species: Homo sapiens (man)
C/Date: 21-Dec-1996 #sequence_revision 06-Jun-1997 #
C/Accession: 301925; 161726
R/Wagtmann, N.
submitted to the EM3L Data Library, June 1995
**Poference number: G08782
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A;Cross-references: GB:AF041035; NID:g2791691; FIDN:AAB3 C;Comment: This protein function as inhibitory cell-surf C;Genetics:
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F;1-23
A;Cross-references: EMBL: U30274; MID:g1004360; FIDM: AAB52522.1; PID:g1004361 R;Colonna, M.; Samaridis, J. R;Colonna, M.; Samaridis, J. Science 268, 405-408, 1995 A;Title: Cloning of immunoglobulin-superfamily members associated with HLA-C A;Reference number: A56247; MUID:95232526; PMID:7716543 A;Accession: I61726 A;Status: preliminary; translated from GB/EMBL/DDBC A;Molecule type: mRNA
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                                                                                                                          A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-444 <WAG>
A;Cross-references: EMBL:U30274; NID:g1004360; FIDM:AAB52522.1;
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Pred. No. 2.5e-18;
0; Mismatches 111;
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cell-surface molecule against
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A/Status: preliminary
A;Molecule type: DNA; mRNA
A;Residues: 1-296 <CAS>
A;Cross-references: GB:U05265;
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A;Gene: NKAT-3
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A;Cross-references: GB:L41269; NID:g780307; PIDN:AAA69870.1; PID:g780308
                                                                                                                                                                                                                                                                                                                                                                                                                                        R;Castells, M.C.; Wu, X.; Arm, J.P.; Austen, K.F.; Katz, H.R. J. Biol. Chem. 269, 8393-8431, 1994
A;Title: Cloning of the gp49B gene of the immunoglobulin superfamily A;Reference number: A53434; MUID:94179223; PMID:8132564
A;Actession: B53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cell surface glycoprotein gp49B form 2 precursor - mouse
C;Species: Mus musculus (house mouse)
C;Date: 19-May-1995 #sequence_revision 19-May-1995 #text_change 05-Nov-1999
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A;Introns: 12/3; 24/2; 119/2; 220/1; 232/1; 249/3;
C;Keywords: alternative splicing; glycoprotein
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Matches 88
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                                                          VNPWDTQVFLETRNKAKFNI PSYTTSYAGIYKCYYESAAGFSEHSDAYELVMTGAYENPS
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                                                                                              SRYOD------CAVLFIPAMKRSLAGRYRCSYCNGSLWSI.PSDQLELVATGVFAKPS
                                                                                                                                    TVLLYLGLILBPRTAVQAGHLPKPIIWAEPGSVIAAYTSVITWCQGSWEAQYYHLYKEKS
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Pred. No. 5
                                                                                                                                                                                                              Score 330; DB 2;
Pred. No. 7.9e-17
3; Mismatches 10:
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RESULT
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Science 268, 405-408, 1995
A;Title: Cloning of immunoglobulin-superfamily members associated with HLA-C and
A;Reference number: A56247; MCID:95232526; PMID:7716543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
A56247
                                                                                KIR (c1-2) NK receptor precursor - human N,Alternate names: killer cell inhibitory receptor C;Species: Homo sapiens (man) C;Date: 21-Dec-1996 #sequence_revision 06-Jun-1997 C;Accession: G01924; G01945 R;Wagtmann, N.
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           submitted to the EMBL Data Library, June 1995
A;Reference number: G08780
A;Accession: G01924
A;Status: preliminary; translated from GB/EMBL/DDBJ
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A; Molecule type: mRNA
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Matches 101
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;Cross-references:
;Map position: 19
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;Date: 26-Cul-1996 #sequence_revision
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Mismatches 107;
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A;Kolecule type: mRNA
A;Residues: 1-444 <DXA>
                                                                                                                                                                                            A; Molecule type: mRNA
A; Residues: 1-341 <RES>
A; Cross-references: GB:L41268;
C; Genetics:
                                                                                                                                                                                                                                                           Science 268, 405-408, 1995
A;Title: Cloning of immunoglobulin-superfamily members associated A;Reference number: A56247; MUID:95232526; PMID:7716543
A;Recession: I61725
A;Status: preliminary; translated from GB/EMBL/DDBJ
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C/Date: 29-May-1998 #sequence_revision
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R;Colonna, M.; Sama
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Best Local Similarity
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                                   MSLMVVSMVCVGFF11CGAWP-HEGVHRKPS11AHPGP1VKSEETVI1OCWSDVRFQHF1
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                                                                     WSPSPTALFCLGLCL--GRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYR
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                                                                                                       score 323.5; DB 2;
pred. No. 2.8e-16;
se; Mismatches 105;
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Pred. No. 2.1e-16;
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 -CAVLFIPAMKRSLAGRYRC----
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C;Accession: T09402
R;Mazzarella, R.; Pengue, G.; Jones, J.; Jones, C.; Schlossinger, D.
Genomics 48, 157-162, 1998
A;Title: Cloning and expression of an immunoglobulin superfamily gene (IGSFI) i
A;Reference number: Z16665; MUID:98190514; PMID:9521868
A;Accession: T09402
A;Accession: T09402
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1327 <MAZ>
A;Cross-references: EMEJ:AFC34198; NID:g2645889; PIDM:AAC52057.1; PID:g2645890
C;Genetics:
A;Gene: 1gsf1
A;Map position: Xq25
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A53434 *
C;Species: Mus musculus (house mouse)
C;Date: 19-May-1995 #sequence_revision 19-May-1995
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C;Species: Homo sapiens (man)
C;Date: [-Cun-1999 #sequence_revision 11-Jun-1999 #text_change 21-Jul-2000
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#sequence_revision
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32.1%; Pred. No. 1.8e-15;
tive 37; Mismatches 133;
19-May-1995
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C;Accession: A53434
R;Castells, M.C.; Wu, X.; Arm, J.P.; Austen, K.F.; Katz, H.R.
J. Biol. Chem. 269, 8393-8401, 1994
A;Title: Cloning of the gp49B gene of the immunoglobulin superfamily and demonstrative A;Reference number: A53434; MUID:94179223; PMID:8132564
A;Accession: A53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Gene: gp49B
A;Introns: 12/3; 24/2; 119/2; 220/1; 232/1; 271/1; 288/3;
C;Keywords: alternative splicing; glycoprotein
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; Pred. No. 7.5e-16;
36; Mismatches 104;
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Listing first 45 summaries
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K257 RAT
FCG2 CAVPO
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                          p24071 homo sapien gal4943 homo sapien Q14943 homo sapien p43627 homo sapien p43627 homo sapien p43628 h killer ce p43632 homo sapien p43628 h killer ce p43632 homo sapien p43628 h killer ce q14953 homo sapien p43628 homo sapien p43628 homo sapien p436217 homo sapien Q644953 homo sapien Q614953 homo sapien p625793 mus musculu p2764217 homo sapien p829533 gailus gallus gallus gall p15331 gailus gallus p06561 caenorhabdi p63203 rattus norv p986613 arattus musculu p06561 caenorhabdi p63203 rattus musculu p06561 mus musculu p99566 homo sapien p065303 rattus morv p29533 mus musculu p99566 homo sapien p06561 caenorhabdi p63203 rattus morv p29533 mus musculu p09566 homo sapien p06561 mus musculu p09566 homo sapien p06561 homo sapien
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an IgA Fc receptor "Uchiyama M., Abo T monocyte IgA Fc rec	2 AND A.3). Monocytes; 9; 7 Monteiro R.C.; eptor (CD89) isoform ifferentially expros ges."; AND B-DELTA-S2). denhoven E.; Bracke denhoven E.; Bracke L/GenBank/DDBJ datab	FC receptor for IgA.)). For igA. FC receptor for IgA.)). bel F.J.A., van de Wirhuman myeloid IgA Fo	RT; 287 AA. Q15728; Q92590; ence update) tation update) r precursor (IgA Pc) raniata; Vertebrata; atarrhini; Hominidae	H YEAST 2 HUMAN 5 RABIT 1 YOUSE 2 BOVIN 1 MOUSE 1 CHICK 1 TRAT E HUMAN 1 HUMAN
CD89 in eptors in patients	sed between blood N., Oroot R.P., ases.	el S., Shen L.; "; nkel J.G.J.; receptor (CD89).";	receptor) (CD89 Euteleostom1;	P08640 saccharomyc P98092 homo sapien Q28730 oryctolagus Q08481 mus musculu Q28110 bos taurus P26151 mus musculu P03186 epstein-bar Q91048 gallus gallu P29534 rattus norv P04052 drosophila Q15109 homo sapien P19320 homo sapien

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ISOId=P24071-6; Sequence=VSP_002633, VSP_002635;
CC -: TISSUE SPECIFICITY: DIFFERENTIALLY EXPRESSED BETWEEN BLOOD AND
CC MUCOSAL MYBLOID CELLS. MONOCYTES EXPRESS ISOFCRMS A.1, A.2 AND A.3
CC MUCOSAL MYBLOID CELLS. MONOCYTES EXPRESS ISOFCRMS A.1, A.2 AND A.3
CC HOMEVER THEY EXPRESS ONLY ONE ISOFCRM AT THEIR SURFACES.
CC -: SIMILARITY: SELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
CC -: SIMILARITY: Contains 2 immunoglobulin SUPERFAMILY.
CC -: SIMILARITY: SELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
CC -: DATABASE: MAMB=PROW; NOTE=CD guide CD89 entry;
CC -: DATABA
           HSSP; P43626; INKR.

Genew; HGNC:3608; FCAR.

MIM; 147045; -.

GO; GC:0005887; C:integral to plasma memb
GO; GC:006955; p:immune response; TAS.

InterPro; IPR0033599; Ig.

InterPro; IPR003359; Ig.

InterPro; IPR003359; Ig_MHC.

Pfam; PF00047; ig; 2.

SMART; SM00409; IG; 2.

PROSITE; PS50835; IG_LIKE; FALSE NEG.

Receptor; GlycoproteIn; Transmembrane; Ig
I;munoglobulin domain; Repeat; Signal; Al
SIGNAL 1 21
CHAIN 22 287
CHAIN 22 287
EXTRACELLULA
                                                                                                                                                                                                                                                                                                                                                   EMBL; X54150; CAA38089.1; -
EMBL; X87767; CAA61039.1; -
EMBL; X87768; CAA61039.1; J0
EMBL; X87769; CAA61039.1; J0
EMBL; X87766; CAA61039.1; J0
EMBL; X87765; CAA61039.1; J0
EMBL; V43774; AAC50639.1; -
EMBL; U43774; AAC50639.1; -
EMBL; U56236; AAB00566.1; -
EMBL; U56237; AAB00567.1; -
EMBL; U56237; AAB00567.1; -
EMBL; U56237; AAD14421.1; -
EMBL; S82919; AAD14421.1; -
EMBL; U60332; J00332.
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"Association of IgA-Fc receptors (Fc alpha R) with Fc epsilon RI
"Association of IgA-Fc receptors (Fc alpha R) with Fc epsilon RI
gamma 2 subunits in U937 cells. Aggregation induces the tyrosine
gamma 2.";

J. Immunol. 153:3228-3236(1994).

-i- FUNCTION: BINDS TC THE FC REGION OF IMMUNOGLOBULINS ALPHA.
MEDIATES SEVERAL FUNCTIONS INCLUDING CYTOKINE PRODUCTION.
-i- SUBUNIT: ASSOCIATES WITH THE FC EPSILON RI GAMMA 2 RECEPTOR
INDUCING TYROSINE PHOSPHORYLATION OF GAMMA 2.

-i- SUBCELLULAR LOCATION: TYPE I KEMBRANE PROTEIN (FORK A) AND S
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Event=Alternative splicing; Named isoforms=6;
Commont=Additional isoforms seem to exist;
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Name=B delta-S2;
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Name=A.3; Synonyms=RLA2;
IsoId=P24071-3; Sequence=VSP_002634.
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                           IMMUNOGLOBULIN ALPHA FC RECEPTOR
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                                                                         Iga-binding
Alternative
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splicing.
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RESULT 2

K3S1_HUMAN STANDARD; PRT; 387 AA.

1D K3S1_HUMAN STANDARD; PRT; 387 AA.

Q14943;

CT 01-NCV-1997 (Rel. 35, Created)

CT 01-NCV-1997 (Rel. 35, Last sequence update)

CT 15-SEP-2003 (Rel. 42, Last annotation update)

EE Killer cell immunoglobulin-like receptor 3DS1 pro

CR NK cell receptor) (Natural killer associated trans

GN KIR3DS1 OR NKATIO.
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Mammalia; Eutheria; E
NCBI TaxID=9606;
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SEQUENCE
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                                        Chordata;
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31.2%;
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Pred. No. 4.7e-22;
3; Mismatches 110
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isoform B-delta-S2).
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A2CCA68467CD45F7 CRC64;
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                                                                        (MHC class I
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SIGNAL
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DOMAIN
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Thrberg M., Vallante N.M., Shum B.F., Shilling H.G.,

Lienert-Weidenbach K., Corliss B., Tyan D., Latter L.L., Parham
Lienert-Weidenbach K., Corliss B., Tyan D., Latter L.L., Parham
"Human diversity in killer cell inhibitory receptor genes.";

"Human diversity in killer cell inhibitory receptor genes.";

"Human diversity in killer cell inhibitory receptor genes.";

"Human diversity in killer cell in CELLS FOR HLA-C A

"OUNCTION: RECEPTOR CN NATURAL KILLER (NK) CELLS FOR HLA-C A

DOES NOT INHIBIT THE ACTIVITY OF NK CELLS.

-!- SUBCELLULAR LOCATION: Type I membrane protein.

-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.

-!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                         CARBOHYD
CARBOHYD
CARBOHYD
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TRANSMEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Upenring C., Samaridis J., Colonna M., "Alternatively spliced forms of human killer Immunogenetics 44:227-230(1996).
                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                       InterPro; IPR003599; Ig.
InterPro; IPR003006; Ig_MHC.
Pfam; PF00047; ig; 3.
SMART; SM00409; IG; 3.
PROSITE; PS50835; IG_LIKE; FALSE_NEG.
PROSITE; Immunoglobulin domain; Glyc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       entities requires a license agreement (S or send an email to license@isb-sib.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VARIANT HIS-166
                                                                                                                                                                                                                                                                                                                                                                                            GO:0005887; C:integral to plasma membrane; NAS. GO:0005887; C:integral to plasma membrane; NAS. GO:0003793; F:defense/immunity protein activity; NGC:00030106; F:MHC class I receptor activity; NAS. GO:0006955; P:immune response; NAS. GO:0006955; P:natural killer cell activation; NAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        604957;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            P43626; INKR.
;; HGNC:6340; KIR3DS1.
                     142
                                        46
                                                             82
 68
                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                Multigene
                                       LRCCGPPGVDLYRLEK----LSSSRYQDQ---
                                                                               WSPSETALFCLGLCLGRVP-----AQSGPL-----PKPSLQALPSSLVELEKEVT
                    LOCWSDIMFEHFFLHKEWISKDPSRLVGQIHDGVSKANFSIGSMMRALAGTYRCYGSVTH
                                                           MSPVTTAHAGNYTCRGSHPHS?TGWSAPSNPMVI;XVTGNHRKPSLLAHPGPLVKSGERVI
-SYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYK
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M-LINKED (GLONAC. .
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Pred.
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SIMILARITY
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(POTENTIAL)
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SEQUENCE FROM N.A.

MEDLINE=97102173; PubMed=8946692;

Selvakumar A., Steffens U., Dupont B.;

Selvakumar A., Steffens U., Dupont B.;

"NK cell receptor gene of the KIR family with highest homology to KIR receptors with three I Tissue Antigens 48:285-294(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K2L4 HUMAN | STANDARD; | PRT; | 377 AA. | Q99706; C14621; C14622; C14623; C14624; C43534; P784C3; P784C1; Q99706; C99560; C99561; Q99562; Q9UQJ7; | 16-CCT-2001 (Rel. 40; Created) | 16-CCT-2001 (Rel. 40; Last sequence update) | 15-SEP-2001 (Rel. 42; Last sequence update) | 15-SEP-2003 (Rel. 42; Last annotation update) | Killer cell immunoglobulin-like receptor 2DL4 precursor (MHC class NK cell receptor KIR1C3AS) (Killer cell inhibitory receptor 103AS) | (KIR-103AS) | (G9P) | (
                                                                                                                                                                                                                                                                                  Submitted (DEC-1998) to the EM51/([6]
[6]
SEQUENCE FROM N.A. (ISOFORM 2).
MEDLINE=97213129; PubMed=9059894;
Selvakumar A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Selvakumar A., Steffens U., Palanisamy N., Chag
"Genomic organization and allelic polymorphism
cell inhibitory receptor gene KTR103.";
Tissue Antigens 49:564-573(1997).
Immunol. Rev. 155:183-196(1997).
-!- FUNCTION: RECEPTOR ON NATURAL INHIBITS THE ACTIVITY OF NK CE-!- SUBCELLULAR LOCATION: Type I melecular to products:
-!- ALTERNATIVE PRODUCTS:
Event=Alternative splicing; Na
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., "Human diversity in killer cell inhibitory receptor generamonity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
TISSUE=Lymphoid;
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Mammalia; Eutheria;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A. Chan H.W., Salter R.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A., AND VARIANTS.
MEDLINE=98090086; PubMed=9430221;
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Submitted (DEC-1998) to
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                                                                                                                                                                                                                        receptors.
                                                                                                                                                                                                                                                  "Polymorphism and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Exon deletion contributes
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Primates;
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MIN; 604945; -.

GO; GC:0005887; C:integral to plasma membrane; TAS.

GO; GO:0004888; F:transmembrane receptor activity; TAS.

GO; GC:0006968; P:cellular defense response; TAS.

GO; GO:0007165; P:signal transduction; TAS.

InterPro; IPR003006; Ig_MHC.

Pfam; PFC0047; ig; 2.

PROSITE; PS50835; IG_LIKE; FALSE_NEG.

Receptor; Immunoglobulin domain; Glycoprotein; Signal; Tr

Repeat; Multigene family; Alternative splicing; Polymorph

SIGNAL

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KILLER CELL IMMUNCGLOBULIN-L

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TRANSMEM
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MIM; 60
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SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
SIMILARITY: Contains 2 immunoglobulin-like C2-type domains
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Name=4; Synonyms=ASDI;
IsoId=299706-4; Sequence=VSP_002609;
Name=5; Synonyms=ASD2;
IsoId=C99706-5; Sequence=VSP_002509;
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IsoId=Q99706-2; Sequence=VSP_
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                                        /noryms=AS;
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POTENTIAL.

CYTOPLASMIC (POTENTIAL).

IG-LIKE C2-TYPE 1.

IG-LIKE C2-TYPE 2.

SY SIMILARITY.

SY SIMILARITY.

SY SIMILARITY.

N-LINKED (GLCNAC. . .) (POTENTIAL).

Missing (in isoform 6).

/FTId=USP_002608.

Missing (in isoform 2, iso)
                                                                                                                                                                                                                                                 KILLER CELL IMMUNCGLOBULIN-LIKE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   moved. Usage by and for (See http://www.isb-sib.
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; Polymorphism.
                                                          (POTENTIAL)
      isoform
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                                                                         (311 HUMAN STANDARD; PRT; 444 AA.

R311 HUMAN STANDARD; PRT; 444 AA.

AC P43679; C43473; Q16541;

DT 01-NCV-1995 (Rel. 32, Created)

DT 01-NCV-1995 (Rel. 32, Last sequence update)

DT 15-SEP-2003 (Rel. 42, Last annotation update)

Exiller cell immunoglobulin-like receptor 3DL1 precursor (MHC class I MK cell receptor) (Natural killer associated transcript 3) (NKAT-3)

DE MK cell receptor) (Natural killer associated transcript 3) (NKAT-3)

DE (970 natural killer cell receptor clones CL-2/CL-11) (HLA-BW4 specific inhibitory NK cell receptor).

SN KIR3DL1 CR NKAT3 CR NKB1.

DS Homo sapiens (Human).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhin; Hominidae; Homo.
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Best Local
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SEQUENCE FROM N.A.
TISSUE=Natural killer cells;
MEDLINE=95232526; PubMed=7716543;
Colonna M., Samaridis J.;
"Cloning of immunoglobulin-superfamily members
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/STId=VSP_002609.
Missing (in isoform )
s and isoform 6).
/FTId=VSP_002610.
Missing (in isoform )
/FTId=VSP_002611.
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T -> P (IN REF. 5); 7ECAE0F0C7F4143B
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D -> N.
/FTId=VAR_010311.
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associated

with HLA-C

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EMBL; L41269; AAA69870.1; -... EMBL; J30273; AA552521.1; -... EMBL; J30274; AA552522.1; -... EMBL; J30274; AA552522.1; -... EMBL; X94262; CAA63938.1; -... EMBL; J31416; AAC23725.1; -... EMBL; J31416; AAC23725.1; -... EMBL; AF622649; AAB95322.1; -... EMBL; AF622649; AAB95322.1; -... EMBL; G01925; G01925. G1925. G1925. G1925. G1925. G1925. G1925. G1925. G1926. G1926
                 GO; GO:0005887; C:integral to plasma membrane; NAS.
GO; GO:0003793; F:defense/immunity protein activity; NAS.
GO; GO:0030109; F:HLA-B specific inhibitory MHC class I r:
GO; GO:0006955; P:immune response; NAS.
GO; GO:0006955; P:negative regulation of natural killer of InterPro; IPR00359; Ig.
InterPro; IPR00359; Ig.
InterPro; IPR00306; Ig_MHC.
Pfam; PF00047; ig; 3.
SMART; SM00409; IG; 3.
SMART; SM00409; IG; 3.
PROSITE; PS50835; IG_LIKE; FALSE_NEG.
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SECTENCE FROM N.A.

TISSUE=Peripheral blood lymphocytes;

MEDLINE=96343861; FubMed=8760804;

MEDLINE=96343861; FubMed=8760804;

Medline=96343861; FubMed=8760804;

Medline=1 R., Cantoni C., Verdiani S., Falco M.,

Miller cell receptor specific for HJA-A allotypes:

novel member of the p58/p70 family of innibitory receptors that

characterized by three immunoglobulin-like domains and is expres

as a 140-kD disulphide-linked dimer.";

J. Exp. Med. 184:505-518(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bicinformatics and the EMBL cutstation the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/annnunce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Uhrberg M., Valianto N.M., Shum B.F., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L. "Human diversity in killer cell inhibitory receptor ger Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D'Andrea A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=95378652; PubMed=7650366; D'Andrea A., Chang C., Franz-Bacon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A. TISSUE=Blood;
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-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE IMMUNOSLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A., AND VARIANTS. MEDLINE=98090086; PubMed=9430221;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lanier L.L.;
"Molecular cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Peripheral blood lymphocytes;
MEDLINE=96111967; PubMed=87777725;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       s requires a license agreement (S
an email to license@isb-sib.ch).
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  PS50835; IG_LIKE; Immunoglobulin do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of NKB1. A natural killer cell
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domain; Glycoprotein;
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THUS F
Signal;
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and HLA-B
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RESULT 5

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K2S2_HUMAN

ID K2S2_H

AC P43631

DT 01-NOV

DT 16-OCT

DT 15-SEP

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Rest Local Sim
Matches 112;
    K2S2 HUWAN (P43631; Q14955; 01-NOV-1995 (Re) 16-OCT-2001 (Re) 15-SEP-2003 (Re) Killer cell imm
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12; Conservative
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(Rel. 32, Created)
(Rel. 40, Last sequence update)
(Rel. 42, Last annotation updat
immunoglobulin-like receptor 2D
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EY SIMILA
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N-LINKED (GLCNAC...
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Pred. No. 1.3e-
34; Mismatches
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IG-LIKE C2-TYPE 2
IG-LIKE C2-TYPE 3
IG-LIKE C2-TYPE 3
BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
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I -> L.
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NK cell receptor) (Na
(p58 natural killer c
receptor 183 ActI),
KIR2DS2 CR NKAT5.
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EMBL; L41347; AAA65225.1; -.
EMBL; X89893; CAA61983.1; -.
HSSP; P43626; INKR.
Genew; HGNC:6334; KIR2DS2.
                                                                                                                                   Receptor; Immuncgl
Repeat; Multigene
SIGNAL 1
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TISSUE=Lymphoid;
MEDLINE=96195217; PubMed=8627176;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=95232526; PubMed=7716543; Colonna M., Samaridis J.; Coloning of immunoglobulin-superfamily and HLA-B recognition by human natural Science 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M.S., Vitale M., Bottino C., Moretta L., Moretta A., Long E.O.; "Molecular clones of the p59 NK cell receptor reveal immunoglobulin-related molecules with diversity in both the extra- and intracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE OF 2-304 FROM N.A.
TISSUE-Natural killer cells;
MEDLINE-95269128; PubMed-7749980;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human)
Eukarycta; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mammalia; Eutheria;
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PS50835; IG_LIKE;
Immunoglobulin do
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Primates;
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POTENTIAL.
CYTOPLASMIC (POTENTIAL)
CYTOPLASMIC (POTENTIAL)
                                                                                                              BY SIMPLARITY KILLER CELL I
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                                                                                                                                                                                                                                                                                                                             receptor activity; NAS
                                                                                                                                                                            Glycoprotein;
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                                                                                                                 IMMUNOGLOBULIN-LIKE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EXIL HUMAN STANDARD; PRT; 348 AA. P43627; Q14951; 01-NOV-1995 (Rel. 32, Created) 01-NOV-1995 (Rel. 32, Last sequence update) 01-NOV-1995 (Rel. 42, Last annotation update) 15-SEP-2003 (Rel. 42, Last annotation update) Killer cell immunoglobulin-like receptor 2DL2 precursor NK cell receptor) (Natural killer associated transcript (p58 natural killer cell receptor clone CL-43) (p58 NK rKIR2DL2 OR NATE.
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CARBOHYD
CONFLICT
SEQUENCE
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DISULFID
DISULFID
CARBOHYD
                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
TISSUE=Natural killer cells;
MEDLINE=95269128; PubMed=7749980;
Magtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M.S.,
Vitale M., Bottino C., Moretta L., Moretta A., Long E.C.;
"Molecular clones of the p58 NK cell receptor reveal immunoglobulin-
related molecules with diversity in both the extra- and intracellular
     Dohring C., Samaridis J., Colonna M.; "Alternatively spliced forms of human Immunogenetics 44:227-230(1996).
-:- FUNCTION: RECEPTOR ON NATURAL KILL ALLELES. INHIBITS THE ACTIVITY OF CELL LYSIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human).
                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                     mmunity 2:439-449(1995).
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BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC. . .) (PCT N-LINKED 
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Pred. No. 1.7e-17;
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Catarrhini;
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(POTENTIAL)
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PREVENTING
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(a) (b)

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InterPro; IPR003006; Ig_MEC.
Pfam; PF00047; ig; 2.
SMART; SM00409; IG; 1.
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PDB; 2DL2; 29-DEC-99
PDB; 2DL1; 05-MAY-00
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Receptor; Immunoglobulin domain; Glycoprotein; Signal;
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                                                                                                                                            RICUG---AVILIILAGFLAEDWHSRRK 296
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CYTOPLASMIC (POTENTIAL).

1G-LIKE C2-TYPE 1.

IG-LIKE C2-TYPE 2.

BY SIMILARITY.

BY SIMILARITY.

BY SIMILARITY.

(N-LINKED (GLONAC...) (IN-LINKED (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 329;
Pred. No. 2.
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         PRT;
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THER CELL EMMUNOGLOSULIN-LIKE
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           EMBL; L41267; AAA69868.1; -.
EMBL; U24076; AAC50335.1; -.
EMBL; U24078; AAC50337.1; -.
EMBL; AFC22045; AAB95318.1; -.
PIR; AFC22045; AAB95318.1; -.
PIR; A56247; A56247.
PDB; INKR; 11-NOV-98.
PDB; INKR; 30-MAY-CII
                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=97433335; PubMed=9288975;

Fan Q.R., Mosyak L., Winter C.C., Wagtmann N., Long E.O., Wiley Fan Q.R., Mosyak L., Winter C.C., Wagtmann N., Long E.O., Wiley Fan Q.R., Mosyak L., Winter C.C., Wagtmann N., Long E.O., Wiley Fan Q.R., Mosyak L., Winter C.C., Wagtmann natural killer cresembles haematopoletic receptors.";

resembles haematopoletic receptors.";

Nature 389:96-100(1997).

INTUREDICTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C ALTINITY IN ATURAL KILLER (NK) CELLS FOR HLA-C ALTINITY OF NK CELLS THUS PREVENTING CELL LYSIS INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSIS -1- SUBCELLULAR LOCATION: Type I membrane protein.

-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.

-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
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01-NCV-1995 (Rel. 32, Created)
01-NCV-1995 (Rel. 32, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 2DL1 precursor
NK cell receptor) (Natural killer associated transcript
(p58 natural killer cell receptor clones CL-42/47.11) (preceptor) (p58.1 MHC class-I specific NK receptor).
                                                                                                                                                                                                                                                                                                      This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
            MIM; 604936; -.
GO; GO:0005887; C:integral to plasma membrane;
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0006955; P:immune response; TAS.
InterPro; IPR003599; Ig.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Colonna M., Samaridis J.;
"Cloning of immunoglobulin-superfamily and HLA-B recognition by human natural Science 268:405-408(1995).
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Mammalia; Eutheria; Primates;
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MEDLINE=95232526; PubMed=7716543;
Colonna M., Samaridis J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (Human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., "Human diversity in killer cell inhibitory receptor genes Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A., AND VARIANTS. MEDLINE=98090086; PubMed=9430221;
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                                                                                                                            Genew; HGNC:6329; KIR2DL1.
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SMART; SM00409; IG; 1.

PROSITE; PS50835; IG_LIKE; FALSE_NEG.

Receptor; Immunoglobulin domain; Slycoprotein; Signal; Transmembrane;

Repeat; Multigene family; Polymorphism; 3D-structure.

SIGNAL : 21
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                                       y Match 18.4%;
Local Similarity 31.0%;
hes 101; Conservative 3
  . MSLLVVSMACVGFFLLQGAMP-HEGVHRKPSLLAHPGPLVKSEETVILQCWSDVMFEHFJ
                    WSESELMTECTOTOT - GEALACSOLFERENDSTOWN STREET AT EXECUTE SOLF COMPAGNOTIVE
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N-LINKED (GLCNAC.
N-LINKED (GLCNAC...
                                       ; Score 328; EB 1;
; Fred. No. 3.1e-17;
34; Mismatches 107;
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/FTId=VAR_010334.
9 .> 0.
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IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
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2011.
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/FTId=VAR_003951.
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Q14954; O43471;
16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 2DS1
                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.

TISSUB=Lymphoid;
MEDLINE=96195217; PubMed=8627176;
Siasson: R., Cantoni C., Falco M., Verdian: S., Bottino C.,
Siasson: R., Poggi A., Moretta A., Moretta L.;
"The human leukocyte antigen (HLA)-C-specific 'activatory'
'inhibitory' natural killer cell receptors display highly hextracellular domains but differ in their transmembrane and
intracytoplasmic portions.";
J. Exp. Med. 183:645-650(1996).
                                                                                                                                     SECURNCE FROM N.A., AND VARIANT LYS-91.

SECURNCE-98090086; PubMed=9430221;

Chriberg M., Valiante N.M., Shum B.P., Shilling H.G.,

Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.J., Parham

Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.J., Parham

"Human diversity in killer coll inhibitory receptor genes.";

"mmunity 7:753-763(1997).

-!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HJA-C AI

FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HJA-C AI

FORS NOT INHIBIT THE ACTIVITY OF NK CELLS.

-!- SUBCELLULAR LOCATION: Type I membrane protein.

-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.

-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
EMBL; X89892; CAA61982.1; -.
EMBL; AF022046; AAB95319.1; -
HSSP; P43626; INKR.
Genew; HSNC:6333; KIR2DS1.
MIM; 604952; -.
                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on it use by non-profit institutions as long as its content is in no wall modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce.or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (Human)
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LHR--EGMENDTLRLIGEHHDGVSKÅNFSISRMTQDLÅGTYRCYGSVTHSPYQ----VSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLG---AVILITLAGFLAEDWHSRRK
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                                                                                                                                                                                                                                                                                                                                                                                          Chordata; Cranista; Vertebrata; Enteleostomi; Primates; Catarrhini; Hominidae; Homo.
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                                                                        .isb-sib.ch/announce/
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Best Local S
Matches 92
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                                                                                                                                     P43628; (43472; 01-NOV-1995 (Rel. 32, Created) 01-NOV-1995 (Rel. 32, Last sequence update) 01-NOV-1995 (Rel. 32, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update) Killer cell immunoglobulin-like receptor 2DL3 procursor (MHC class NK cell receptor) (Natural killer associated transcript 2) (NKNT-2) (NS8 natural killer cell receptor clone Cu-6) (p56 NK receptor) (D58 NK receptor) (D58 NK) (
(1)
SEQUENCE FROM N.A.
TISSUE=Natural killer cells;
Tissue=Natural killer cells;
                                                                     Elikaryota; Metazoa;
Mammalia; Eutheria;
NCBI_TaxID=9606;
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                                                                                                             Bomo sapiens (Human)
Bukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
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GO:0004888; F:transmembrane receptor activity; NAS.
GO:0006955; F:immune response; NAS.
                                                                                                                                                                                                                                                                                              HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                          174
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PS50835; IG_LIKE; FALSE_NEG.
Immunoglobulin domain; Glycoprotein; Signal; Transmembrane;
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Primates;
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CYTOPLASMIC (POTE
IG-LIKE C2-TYPE 1
IG-LIKE C2-TYPE 2
BY SIMILARITY
BY SIMILARITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 325.5;
Pred. No. 4.1
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4193A5421510AE06 CRC64;
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                                                                                               Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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               GO; GO:0006955; P:immu InterPro; IPR003599; InterPro; IPR003006; InterPro; IPR003006; InterPro; IPR00347; ig; 2.

SMART; SM00409; IG; 1.
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CARBCHYD
CARBCHYD
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TRANSMEM
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MIM; 604938; -.

GO; GO:0016021; C:integral to membrane; TGO; GO:0004872; F:receptor activity; TAS.

GO; GO:0006955; P:mune response; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMEL; L41268; AAA69869.1; -.
EMEL; U24074; AAC50333.1; -.
EMBL; AF022048; AAB95321.1; -.
PIR; I61725; I61725.
HSSP; P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bicinformatics and the EMBL outstation the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUS=Natural killer cells;
MEDLINE=95269128; PubMed=7749980;
Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M., Vitale M., Bottino C., Moretta L., Moretta A., Long E.O.;
"Molecular clones of the p58 NK cell receptor reveal immunogli related molecules with diversity in both the extra- and intra domains.";
                                                                                                                                                                                                                                                                                                                                                            PROSITE; PS50835; Id
Receptor: *-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C A INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSI -!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Colonna M., Samaridis C.; "Cloning of immunoglobulin-superfamily members associated with HLA-C and HLA-B recognition by human natural killer cells."; Science 268:405-408(1995).
              VARIANT
                                              VARIANT
                                                                                                                                                                                                                                                                                                            CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., P. "Human diversity in killer cell inhibitory receptor genes. Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
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                                                                                                                             CARECHYD
                                                                                                                                                                                                                                                                                                                                                           Receptor;
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84
178
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246
266
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Shum B.P.,
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                                                                                                                                                                                                                                                                                                                          Polymorphism.
BY SIMILARITY
                                                                                                                         CYTOPLASMIC (POTENTIAL):
IG-LIKE C2-TYPE 1:
IG-LIKE C2-TYPE 2:
BY SIMILARITY:
BY SIMILARITY:
N-LINKED (GLONAC: ...) (
N-LINKED (GLONAC: ...) (
N-LINKED (GLONAC: ...) (
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POTENTIAL.
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                         2 -> E.
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/FTId=VAR_010313
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                                                                                                                                                                                                                                                                                                            IMMUNOGLOBULIN:
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                                                                                                                                             (POTENTIAL)
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                                                                                                                             (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                            Transmembrane;
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RESULT 10
K2S4_HUMAN
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01-NCV-1997 (Rel. 35, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immuncglobulin-like receptor 2D54 precursor (MHC clas
NK cell receptor) (Natural Killer associated transcript 8) (NKAT-
(P58 natural Killer cell receptor clone CL-39) (P58 NK receptor)
                                                                                                                                                                                                                                                                                                                                      Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
SEQUENCE FROM N.A.
TISSUE=Lymphoid;
MEDLINE=96350503; PubMed=8765026;
Bottino C., Sivori S., Vitale M., Cantoni Morelli L., Augugliaro R., Semenzato G., i Moretta A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VARIANT
                                                                                                MEDLINE=96270004; PubMed=8662091; Doebring C., Samaridis J., Colomba M.; Palternatively spliced forms of human Immunogenetics 44:227-230(1996).
                                                                                                                                                                                                              Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Mail
Vitale M., Bottino C., Moretta L., Moretta A., Long E./
"Molecular clones of the p58 NK cell receptor reveal in
related molecules with diversity in both the extra- and
                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
TISSUE=Natural killer cells;
MEDLINE=95269128; PubMed=7749980;
                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
                                                                                                                                                        SEQUENCE
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99; Conserv
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Prod. No. 6.6e-17;
6; Mismatches 105;
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C21EAFF80EA9AAB2 CRC64;
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R., Moretta
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GO; GC:0003822; F:MHC interacting
InterPro; IPR003599; Ig.
InterPro; IPR003506; Ig_MHC.
Pfam; PF00047; ig; 2.
SMART; SMCC409; IG; 1.
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HSSP; P43626; INKR.
Genew; HGNC:6336; KIR2DS4.
MIM; 604955; I
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-!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C /
DCES NOT INHIBIT THE ACTIVITY OF NK CELLS.
-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SINILARITY: BELONGS TO THE INMUNOGLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
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Submitted (MAY-1997) to
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L76671; AAB36599.1; ...
X94609; CAA64317.1; ...
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Immunoglobulin do
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35.9%;
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IG-LIKE C2-TYPE 1
IG-LIKE C2-TYPE 2.
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HUMAN STANDARD; PRT; 455 AA.

K3L2 HUMAN STANDARD; PRT; 455 AA.

P43630; Q13238; Q14947; Q14948; Q92684; Q95367;

01-NOV-1995 (Rel. 32, Created)

01-NOV-1995 (Rel. 32, Last sequence update)

15-SEP-2003 (Rel. 42, Last annotation update)

Killer cell immunoglobulin-like roceptor JDL2 procursor (MHC class I NK cell receptor) (Natural Killer associated transcript 4) (NKAT-4) (p70 natural killer cell receptor clone CL-5).

KIR3DL2 CR NKAT4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDINE 9634386; PubMod-8760804;
MEDINE 9634386; PubMod-8760804;
Pende D., Biassoni R., Cantoni C., Verdiani S., Falco M.,
di Donato C., Accame I., Bottino C., Moretta A., Moretta L.;
"The natural killer cell receptor specific for HLA-A allotypes: a movel member of the p58/p70 family of inhibitory receptors that is characterized by three immunoglobulin-like domains and is expressed a 140-kD disulphide-linked dimer.";
J. Exp. Med. 184:505-518(1996).
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MEDLINE=96111967: PubMed=8777725;
Wagtmann N., Rajagopalan S., Winter C.C., Peruzzi M., Long E.C.
"Killer cell inhibitory receptors specific for HLA-C and HLA-B identified by direct binding and by functional transfer.";
[mmunity 3:801-809(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.

TISSUE=Natural killer cells;
TISSUE=Natural killer cells;
MEDLINE=95232526; PubMed=7716343;
Colonna M., Samaridis J.;
Colonna M., Samaridis J.;
"Cloning of immunoglobulin-superfamily members associated and HLA-B recognition by human natural killer cells.";
Science 268:405-408(1995).
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                                                                                                  MEDLINE=98090086; PubMed=9430221;
Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G.,
Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., Parham
Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., Parham
"Human diversity in killer cell inhibitory receptor genes.";
Immunity 7:753-763(1997).
-!- FUNCTION: RECEPTOR CN NATURAL KILLER (NK) CELLS FOR HLA-A A
INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSI
-!- SUBCELLULAR LOCATION: Type I membrane protoin.
-!- SIMILARITY: SELCNGS TO THE IMMUNOSLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=96270004; PubMed=8662091; Bohring C., Sameridis C., Colonna M.; "Alternatively spliced forms of human Immunogenetics 44:227-230(1996).
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Mammalia; Eutheria; Primates;
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TISSUE=Lymphoid;
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Catarrhini;
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REMBL; L76666; AAB36594.1; -.

RIM; 604947; -.

REMBL; L76666; AAB36594.1; -.

REMBL; L766666; AAB36594.1; -.

REMBL; L766666; AAB36594.1; -.

REMBL; L76666; AAB36594.1; -.

REMBL; L76666; AAB36594.1; -.

REMBL; L76666
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CARBOHYD
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SIGNAL 1
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U30272;
X93595;
                                                                    231
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                     QIHDGVSKANFSIGPLMEVLAGTYRCYGSVPHSPYQLSAPSDELDIVITGLYEKES-LSA
                                                                                                                                        LETVATGVFAXPSLSAQPGPAVSSGGDVTLQCQTRYGPDQFALYKEGDPAPYKNPERWY-
                                                                                                                                                                                                LYKEDRSHVPIFHGRIFQESFIMGPVTPAH----AGTYRC---RGSREHSLTGWSAPSNP
                                                                                                                                                                                                                                             LEKLSSSR----
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                                                                                                                                                                                                                                                                                                                     MSPSPTALFCLGLCL--GRVPAQSGPLPKPSLQALPSSLVPLEKPVTLKCQGPFGVDLYR
                                                             -----RASFFIITVTAAHSGTYRCYSFSSRDFYLWSAFSDFLELVVTGTSVTFSRLFT
                                                                                                             LVIMVIGNERKPSLLAHPGPLLKSGETVILQCWSDVMFEHFFLHREGIS--
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; AAE52520:1; -.
; CAA63791:1; -.
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21 BY SIMILARITY.
455 KILLER CELL IMMUNOGLOBULIN-LIKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              252
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30.7%;
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IG-LIKE C2-TYPE 2.
IG-LIKE C2-TYPE 3.
IG-LIKE C2-TYPE 3.
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N-LINKED (GLCNAC.
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N-LINKED (GLCNAC.
N-LINKED (GLCNAC.
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Pred. No. 2e-16;
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/FTId=VAR_010330
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/FTId=VAR_010327
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /FTId=VAR_010329
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COSTISM

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PIR; Abby.

PIR; B53434; Bb...

R HSSP; P43626; INKR.

DR HITCOMMERCENTY (IPRODUCTION) (IPRODUCTION) (IPRODUCTION)

DR InterPro; IPRODUCTION (IPME)

DR InterPro; IPRODUCTION (IPME)

DR Pfam; PF00047; ig; 2.

PROSITE; PS50835; IG_LIKE; i.

Signal; Transmembrane; Glycoprotein; Immunoglobulin domain; Repo

KW Signal; Transmembrane; Glycoprotein; Immunoglobulin domain; Repo

KW Signal; Transmembrane; Glycoprotein; Immunoglobulin domain; Repo

KW Alternative splicing.

FT CHAIN

1 23 BY SIMILARITY.

FT CHAIN

24 335 MAST CELL SURFACE GLYCOPROTEIN GP

FT DOMAIN

24 238 EXTRACRLIMAR (POTENTIAL).

FT DOMAIN

25 35 CYTCPLASMIC (FCTENTIAL).

TOMAIN

42 125 IG-LIKE C2-TYPE 1.

12 16-LIKE C2-TYPE 2.
                                                                                             RESULT 12
G49B_MOUSE
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STRAIN=C3H, and HALB/c; TISSUE=Bone marrow;

MEDLINE=94179223; PubMed=8132564;

Castells M.C., Wu X., Arm J.P., Austen K.F., Katz H.R.;

"Cloning of the gp495 pene of the immunoglobulin superfamily and demonstration that one of its two products is an early-expressed ceil surface protein originally described as gp49.";

J. Biol. Chem. 269:8393-8401(1994).

-!- FUNCTION: MAY PLAY A ROLE IN CELL-CELL OR CELL-CYTOKINE INTERACTIONS DURING THE DEVELOPMENT OF MAST CELLS FROM MULTIF
                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; U05266; AAA17799.1; -.
EMBL; U05265; AAA17797.1; -.
EMBL; U05265; AAA17798.1; -.
EMBL; U05264; AAA17796.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Rodentia; Scrurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G498 MCUSE STANDARD; PRT; 335 AA. Q64281; C64312; C1-NOV-1997 (Rel. 35, Created) C1-NOV-1997 (Rel. 35, Last sequence update) 15-SEP-2003 (Rel. 42, Last armotation update) Mast cell surface glycoprotein GP498 precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus (Mouse)
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-!- SIMILARITY: Contains
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name = GP49B2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=GP49B1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Event-Alternative splicing: Named isoforms-2;
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ains 2 immunoglobulin-like C2-type domains.
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Best Local S
Matches 84
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01-NOV-1997
01-MOV-1997
15-SEP-2003
Killer cell
NK cell rece
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CARBOHYD
CARBCHYD
VARSPLIC
                                                                                                                                                                                                             SEQUENCE FROM M.A.

SEQUENCE FROM M.A.

MEDLINE=96270004; PubMed=8662091;

Doehring C., Samaridis J., Colonna M.;

"Alternatively spliced forms of human killer inhibitory receptor "Alternatively spliced forms of human killer inhibitory receptor "Mitarnatively spliced forms of human killer inhibitory receptor "Mitarnatively spliced forms of human killer inhibitory receptor "Mitarnogenetics 44:227-230(1996).

-!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C AI DOES NOT INHIBIT THE ACTIVITY OF NK CELLS.

-!- SUBCELLULAR LOCATION: Type I membrane protein.

-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.

-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  C1-NOV-1997 (Rel. 35, Created)
C1-NOV-1997 (Rel. 35, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunogicbulin-like receptor 2DS5
MK cell receptor) (Natural killer associated teleptors)
Genew; HGNC:6337; KIR2DS5.
MIM; 604956; -.
GO; GO:0005887; C:integral
                                             EMBL; L76672; AAB36600.1;
HSSP; P43626; 1NKR.
                                                                                      This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
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/FTId=VSP_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 317.5; DB 1;
Pred. No. 1.8e-16;
6; Mismatches 104;
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N-LINKED (GLCNAC...) (POTENTIAL).

G -> D (in isoform GP4982).

/FIId=VSP_002510.

Missing (in isoform GP4982).
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|6005186⊃524E7876||CRC64;
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                                                                                                                                                                                                                                                                                                               killer inhibitory receptors.";
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9) (NKAT9).
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Best Local S
Matches 88
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SEQUENCE
                                                                                                         K2S3 HUMAN STANDARD; PRT; 304 AA. 014952; 000644; 01-NCV-1997 (Rel. 35, Created) 01-NCV-1997 (Rel. 35, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update) Killer cell immunoglobulin-like receptor 2DS3 NK cell receptor) (Natural killer associated taxing CR NXAT7.
                                                                                                                                                                            LT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                               SEQUENCE FROM N.A.
MEDLINE=96270004; PubMed=8662091;
Doehring C., Samaridis J., Colonna
"Alternatively spliced forms of hi
                                                                      NCBI_TaxID=9606;
SEQUENCE FROM N.A. TISSUE=Lymphoid;
                      Doehring C., Samaridis J., Colonna M., "Alternatively spliced forms of human immunogenetics 44:227-230(1996).
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                                                                                                                                                                                                                                                                                                                                                              SRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVIL ---IILAGFLAEDWHSRRK
                                                                                                                                                                                                                                             FROSPYEWSKSSDPLLVSVTGNSSWSWPSPTEPSSE--
                                                                                                                                                                                                                                                                                                              GRMTQDLAGTYRCYGSVTHSPYQ----LSAPSDPLDIVITGLYEKPSLPAQFGPTVLAGE
                                                                                                                                                                                                                                                                                                                             PAYKRSLAGRYRC-----SYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGG
                                                                                                                                                                                                                                                                                                                                               KPSILAHPGPLVKSEETVILQCWSDVMFEHFILHREGTFNHTLRLIGEHIDGVSKGNFSI
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P:immune response; NAS.
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29.6%;
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hmain; Glycoprotein:
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FOTENTIAL,
CYTOPLASMIC (POTENTIAL).
IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
BY SIMILARITY.
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                               Score 307; DB
Pred. No. 9.4e:
34; Mismatches
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                                                                                Craniata; Ve
Catarrhini;
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                                killer
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1.4e-16;
                                                                                          Vertebrata;
                                                                                  Hominidae;
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                               inhibitory
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(POTENTIAL).
(POTENTIAL).
                                                                                          Euteleostomia
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7) (NKAT-7)
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HSSP; P43626;
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Biassoni R.;
Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HUA C AL
-!- SUBCELULAR LOCATION: Type I membrane protein.
-!- SUBCELULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Receptor; Immunoglobulin don Repeat; Multigene family. SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMART; SM00409; LU
PROSITE; PS50835;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0005887; C:integral to plasma membrane; GO; GO:0003822; F:MHC-interacting protein; TAS: GO; GO:0006968; P:cellular defense response; T/ InterPro; IPR003599; Ig. InterPro; IPR003599; Ig. InterPro; IPR003006; Ig_MHC. Pfam; PF00047; ig; 2.
SMART; SM00409; IG; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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Genew; HGNC:6335; KIR2DS3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 al Similarity
87; Conserve
SSABLES
                                            Sadalar
                                                                                                                    APYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTFSR
                                                                                                                                                                                                       PSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGD------P
                                                                                                                                                                                                                                                               LHR--EGTENDTLRLIGEHIDGVSKANFSIGRMRQDLAGTYRCYGSVPHSPYQ----FSA
                                                                                                                                                                                                                                                                                                                                                MSLMVISMACVGFFWLQGAWP-HEGFRRKPSLLAHPGRLVKSEETVILQCWSDVMFEHFL
                                                                                                                                                                                                                                                                                                                                                                                       WSESPTALFCLGL--CLGRVPAQSGPLFKFSLQALPSSLVFLEKPVTLRCQGPPGVULYR
                                                                                                                                                                          PSDPLDIVITGLYEKPSLSAQPGPTVLAGESVTLSCSSWSSYDMYHLSTEGEAHERRFSA
                                                                                        GPKVNGT--FQADFPL--GPATQGGTYRCFGSFHDSPYEWSKSSDPLLVSVTGNPSNSWP
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omain; Glycoprotein; Signal;
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IG-LIKE C2-TYPE 2.
BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLONAC. . .) (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 299; DB 1; ; pred. No. 3.7e-15; 27; Mismatches 93;
                                                                                                                                                                                                                                                                                           -----QAVLEIPAMKRSLAGRYEC------SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BY SIMILARITY KILLER CELL IMMUNOGLOBULIN-LIKE 2DS3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Austen K.F., Ratz H.R.,

"Molecular cloning of gp49, a cell-surface antigen that is preferentially expressed by mouse mast cell progenitors and is a member of the immunoglobulin superfamily.";

J. Biol. Chem. 265:15966-15973(1991).

-!- FUNCTION: MAY PLAY A ROLE IN CELL-CELL OR CELL-CYTOKINE INTERACTIONS DURING THE ENVELOPMENT OF MAST CHILS.

-!- SUBGELLULAR LOCATION: Type I membrane protein.

-:- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A., AND SEQUENCE OF 24-45.
STRAIN=BALB/G; TISSUB=Bone marrow;
MEDLINE=91340742; PubMed=1714901;
MEDLINE=91340742; PubMed=1714901;
Arm J.P., Gurish M.F., Reynolds D.S., Scott H.C.,
Arm J.P., Gurish M.F., Reynolds D.S., Scott H.C.,
Austen K.F., Katz H.R.,
Austen K.F., Katz H.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            G49A_MOUSE STANDARD; PRT; 303 AA. Q61450; O1-NOV-1997 (Rel. 35, Created) O1-NOV-1997 (Rel. 35, Last sequence update) 15-SEP-20C3 (Rel. 42, Last annotation update) Mast cell surface glycoprotein GP49A precursor. GP49A OR GP49. Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MGD; MGI:102702; Gp49a.
InterPro; IPR007110; Ig-like.
PROSITE; PS50835; IG_LIKE; 1.
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Mammalia; Eutheria; Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CHAIN
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AL 23

MAST CELL SURFACE GLYCOPROTEIN GF49A.

IN 24 238

EXTRACELLULAR (POTENTIAL).

SMEM 239 266

POTOPLIANIC (POTENTIAL).

IN 26 303

CYTOPLASMIC (POTENTIAL).

IN 26 303

CYTOPLASMIC (POTENTIAL).

IN 42 125

IG-LIKE C2-TYPE 1.

IN 124 212

IG-LIKE C2-TYPE 2.

LFID 49 98

POTENTIAL.

DOHYD 79 79

N-LINKED (GLCNAC...) (POTENTIAL).

OHYD 191 191

N-LINKED (GLCNAC...) (POTENTIAL).

OHYD 191 191

N-LINKED (GLCNAC...) (POTENTIAL).
165 FPIITVTAM:SGTYRCYSFSSRDPYLWSAPSDPLELVYTGTSVTPSRLPTEPPSSVAEFS
                                                  126 LSVYPSSNVTSGVSISFKCSSSTLFGRFILIQEG----KHGLSWILDSQHQANQPTHAT
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81; Conserv
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POTENTIAL.

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Pred. No. 1.8e-14;
5; Mismatches 105;
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Db 181 FVLDAVAPNHNGTFRCYGFFRNEPQVWSKPSNSLDLMISETK-EQSCTPTE--CGLETYQ 237
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Search completed: October 23, 2003, 09:42:13
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238

KILIGVLVSF 247

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RX PubMed=11.27634;

RX Ezumi Y., Uchiyama T., Takayama H.;

"Molecular cloning, genomic structure, chromosomal localization, and

"Tolernative splice forms of the platelet collagen receptor

"Tolernative splice forms of the platelet collagen receptor

RISPLY AB035073; BAA89253.1; -.

BAA89253.1; -.

BAB12245.1; 
    Query Match
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C9UIF2;

C1-MAY-2000 (TrEMBLrel. 13, Created)

C1-MAY-2000 (TrEMBLrel. 13, Last sequence update)

C1-MAY-2003 (TrEMBLrel. 23, Last annotation update)

Platelet glycoprotein VI precursor (Platelet glycoprotein VI-1).
                                                                                                                                                                                                                                                Miura V.; "Platelet glycoprotein VI."; submitted (NOV-1999) to the
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SMART; SMC0409; IG; 2.
SEQUENCE 321 AA; 39
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O1-MAR-2001 (TrEMBLrel, 16, Created)
O1-MAR-2001 (TrEMBLrel, 16, Last sequence update)
O1-MAR-2003 (TrEMBLrel, 23, Last annotation update)
Platelet glycoprotein VI 2.
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MEDLINE=20483673; PubMod-11027634;

Ezumi Y., Uchiyama T., Takayama H.;

Ezumi Y., Uchiyama T., Takayama H.;

"Molecular cloning, genomic structure, chromosomal localization, alternative splice forms of the platelet collagen receptor glycoprotein VI.";

Biochem. Biophys. Res. Commun. 277:27:36(2000).

EMBL; AB043820; BAB1246.1; ·.

HSSP; P43626; INKR.
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DT 01-C
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Best Local S
Matches 259
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A Ezumi Y., Uchiyama T., Takayama H.;
T "Molecular cloning, genomic structure, chromosomal localization alternative splice forms of the platelet collagen receptor glycoprotein VI.";
Biochem. Biophys. Res. Commun. 277:27-36(2000).
EMBIJ AB043821; EAB12247.1; ...
RMRI, AB043821; EAB12247.1; ...
RSSP; 943626; INKR.
R Genew: HCNC:14388; GP6.
R InterPro; IPR003006; Ig.
R InterPro; IPR003006; Ig.
R InterPro; IPR003006; Ig_MHC.
R Pfam; PF00047; ig; 2.
R SMART; SM03409; IG; 2.
R SMART; SM03409; IG; 2.
R SMART; SM03409; IG; 2.
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Q9HCN6;
C1-MAR-2001 (TrEMBLrel. 16, Created)
C1-MAR-2001 (TrEMBLrel. 16, Last sequence up
C1-MAR-2003 (TrEMBLrel. 23, Last annotation
Platelet glycoprotein VI-3.
  Q8NHJ6;
01-OCT-2002
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutoloostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                   9FHN8C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAISGTYRC
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                                                                                                                                                                                                      TETSRSITTSPKESDSPAG
                                                                                                                                                                                                                                                                                                                                                                                 GPÄVSSGGDVTLQCQTRYGFDQFÄLYKEGDPÄPYKNPERWYRASFPIITVTAAHSGTYRC
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                                                                                                                                                                             TETSRSITTSPKESDSPAG
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  (TrEMBLrel.
                                                   PRELIMINARY;
  22,
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Pred. No. 1.2e-103
0; Mismatches 0
Created!
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                                                   PRT;
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Best Local S
Matches 133
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01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-OCT-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
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SEQUENCE
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01-MAR-2003
               SEQUENCE FROM N.A.
TISSUE-Brain;
Strausberg R.;
Strausberg R.;
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC026309; AAH26309.1; -.
EMBL; BC026309; AAH26309.1; -.
Pfam; PF00047; ig; 2.
                                                                                                                                                                                                                            domains), member 4.
Homo sapiens (Human)
Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa;
Mammalia; Euthoria;
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                                                                                                                                                                                                             Mammalia; Euthoriu;
                                                                                                                                                                                                                                                                                                                                                                                                         QBN1C7
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     Receptor
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Primates;
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Pred. No. 6.8e-35;
1; Mismatches 127;
                                                                                                                                                                                                             Craniata; Vortobrata;
Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Craniata; Vertebrata; Subeleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
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25.55
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Matches 133; Conserv
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SEQUENCE FROM N.A.

Arm J.P., Nwankwo C., Austen K.F.;

Arm J.P., Nwankwo C., Austen K.F.;

"Molecular identification of a novel family of human immunoglobulin

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
NCBI_TaxID=9606;
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01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
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HSSP; P43626; 1NKR.
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Best Local Similarity 36.0%;
Matches 133; Conservative 4
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01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Leukocyte immunoglobulin-like receptor 5.
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MEDLINE=20335285; PubMed=10941837;

Liu W.R., Kim J., Nwankwo C., Ashworth L.K., Arm J.P.;

"Genomic organization of the human leukocyte immunoglobulin-like "genomic organization of the human leukocyte immunoglobulin-like receptor, within the leukocyte receptor complex on chromosome
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Mammalia; Euthoria; Primates; Catarrhini; Hominidae; Homo.
MCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Immunogenetics 51:659-569(2000).
EMBL; AF189768; AAG02024.1; -.
InterPro; IPR003006; Ig_MHC.
Pfam; PF00047; ig; 2.
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                                                                                                                                                                                                                                                                                  EKLSSSRYQD------QAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGV
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                                                                                                                                                              FAKESLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGJPAPY-----KNPERWYRASF
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                                            PIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEIVVTGTSVTPSRLPTEPPSSVARFSE
                                                                                                                 YSKPTLSALPSPLVTSGKSVTULCQSRSPMDTFULIKSRAAHPLUHLRSEHGAQQHQAEF
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  PMSPVTSVHCGTYRCFSSHGFSHYLLSHFSDPLELIVSGSLEGPRPSPT---
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RESULT
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Matches 133; Conserv
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Borges L., Hsu M.-L., Fanger N.,

J. Immunol. 0:0-0(1997).

EMBL, AF025532; AAB87666.1; -.

HSSP; P43626; INKR.

InterPro; IPR003006; Ig_MHC.
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SMART: SMC0409; IG; 1
SEQUENCE 448 AA; 49
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O75021;
O75021;
O1-NOV-1998 (TrEMBErel. 08, Created)
O1-NOV-1998 (TrEMBErel. 08, Last sequence update)
O1-MAR-2003 (TrEMBErel. 23, Last annotation updat
Leucocyte immunoglobulin-like receptor-5.
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Marmalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Marmalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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36.0%; Pr
tive 41;
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Pred. No. 1e-34;
1; Mismatches 127; Indels
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MEDLINE=21555186; PubMed=11698452;

Canavez F.C., Young N.T., Guethlein
Shum B.P., Parham P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OBMJZ2 PRELIMINARY; PRT; 481 AA. QBMJZ2;
01-CCT-2002 (TrEMBLrel. 22, Created)
01-CCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Leukocyte immunoglobulin-like receptor e.
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EMBL; AF383169; AAL31878.1; -.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
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Fan troglodytes (Chimpanzee).
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InterPro; IPR003006; Ig_MHC.
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                                                                     YTVENLIRMGMAGLVLVVLGILLFEACHSOR
                                                                                           YTKGNLVRICUGAVILIILAGFLAEDWHSRR
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             PRELIMINARY;
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Pred. No. 6e-33;
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Best Local S
Matches 120
                    SEQUENCE FROM N.A.
TISSUE=Lymphoid;
Falco M., Cantoni C., I
Falco M., Canton of the
"Identification of the
receptor.";
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01-MAY-1999
01-MAY-1999
01-CCT-2002
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PROSITE;
SEQUENCE
Submitted
[2]
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Mammalia: Eutheria;
NCBI_TaxID=9606;
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01-NOV-1998 (TremBirel. 08, Last sequence up
01-MAR-2003 (TremBirel. 23, Last annotation
Leucocyte immunoglobulin-like receptor-68.
LIR-6.
                                                                                                      Sukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                       NKACTR.
AR-1 OR KILR-1
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HSSP; P43626; INKR.
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                                                                                                                             Rattus norvegicus
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InterPro; IPR007110;
InterPro; IPR003C06;
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les 120; Conservative
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n; PF00047; ig; 1.

RT; SM00409; IG; 1.

RT; SM00409; IG LIKE; 1

PSTTE; PS50835; IG LIKE; 1

PSTTE; PS50835; IG LIKE; 1
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ba; Chordata;
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Primates;
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Ig-MHC.
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                                 Bottino C., Moretta L., Biasson: Fe rat homologue of the human NKp46
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             the EMBL/GenBank/DDBJ databases
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Pred. No. 3.7e-
46; Mismatches
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Catarrhini;
                                                                                                      Craniata; Vertebrata; :
Sciurognathi; Muridae;
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"Molecular characterization of KILR-1, a novel immunoglobul
T gene in the rat, expressed by MK cells.";
Submitted (OCT-1938) to the EMBL/GenBank/DDBJ databases.
L EMBL, AC012741; CAA10161.1; ...
R EMBL, AC012533; AAC69893.1; -..
R EMBL, AF082533; AAC69893.1; -..
R HSSF, P43626; 1NKR.
R InterPro; IPR003599; Ig.
R InterPro; IPR00306; Ig_MHC.
R Ffam; PF00047; ig; 2.
R SMART; SM30409; IG; 2.
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Interpro, IPRC03599; Ig.
Interpro, IPRC03598; Ig-like.
Interpro; IPRC03598; Ig_c2.
Interpro; IPRC03006; Ig_MHC.
Pfam; PFC0047; ig; 4.
SMART; SMO04C9; IG; 4.
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                                                                                                                                                                                                                                                                                                                                                                                                                       Pan troglodytes (Chimpanzee).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-CCT-2002 (TrEMBLrel. 22, Created)
01-CCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation updat
Leukocyte immunoglobulin-like receptor d.
                                                                                                                                                     "Comparison of chimpanzee and human leukocyte Ig-like reveals framework and rapidly evolving genes."; J. Immunol. 167:5786-5794(2001).
EMBL: AF383168; AAL31877.1; -.
                                                                                                                                                                                                                                                              MEDLINE=21555186; PubMed=11698452; Canavez F.C., Young N.T., Guethlein Shum B.P., Parham P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN-PVG;
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116; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FAKPSLSAQPGPAVSSGGDVTLQCQTRYGHDQFALYKBGDPAPYKNPBRWYRASFPIITV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YFEGSFFALERPKSSRSMMKVKFFISOMTSHTÅGIYTCFYCSGELMSESSNPLKLVVTOL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                325 AA;
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(S)
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8; Mismatches 116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 469; DB 11;
Pred. No. 2.1e-32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                502C10AA02F65FA4 CRC64;
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                                                                                                                                                                                                                                                                                     . A.
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                                      Query Match 25.7%;
Best Local Similarity 36.1%;
Matches 117; Conservative 4
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Best Local
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TISSUE=Lymphoid;
MEDLINE=98401029; PubMed=9730896;
MEDLINE=98401029; PubMed=9730896;
Pessino A., Sivori S., Bottino C., Malaspina A., Morelli E.,
Pessino A., Sivori R., Moretta A.;
Moretta L., Biassoni R., Moretta A.;
"Molecular cloring of NKp46: a novel member of the immunoglobulin
superfamily involved in triggering of natural cytotoxicity.";
J. Exp. Med. 188:953-960(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                           Ol-NOV-1998 (TrEMBLrel. 08, Created)
Ol-NOV-1998 (TrEMBLrel. 08, Last sequence update)
Ol-MAR-2003 (TrEMBLrel. 23, Last annotation update)
NK receptor (Lymphocyte antigen 94 homolog, activating
NK-p46,) (Mouse).
                                                                                           Receptor.
SEQUENCE
                                                                                                                                                         Strausberg R.;
Submitted (MAY-2002) to the
Submitted (MAY-2002) to the
EMBL; ACC01383; CAAC4714.1;
EMBL; BCC30265; AAH30265.1;
HSSP; P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        076036
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PROSITE; PS50835; IG_LIKE; 2.
Immunoglobulin domain; Receptor.
SEQUENCE 631 AA; 69456 MW; 10E7B706D2B4D6EF
                                                                                                                              Genew; HGNC:6731; NCR1.
InterPro; IPR003006; Ig_MHC
                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
                                                                                                                      Pfam; PFCC047;
                                                                                                                                                                                                                               TISSUE=Blood;
                                                                                                                                                                                                                                             BOUBNOE
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1 MSPSPTALFCLGLCLG-RVPAGSGPLPKPSLQALPSSLVPLEKPVTLRCGGPPGVDLYRL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YSKPTLSALPSPVVASGGNVTLRCGSQKGYDHFVLMKEGEHQLPRTLDSQQLHSGGFQAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   YKEGSTEPWIKTNFLETRNKARFSIPSMTQHHAGRYRCYYRSPAGKSEPSDPLELIVVTGF
                                                                                                                                                                                                                                           FROM N.A.
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Primates;
                                                                                            34480 MW;
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                                      ; Score 459; DB 4; L; ; Pred. No. 1.4e-31; 45; Mismatches 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 464; DB
Pred. No. 1.4e
46; Mismatches
                                                                                                                                                                          . .
                                                                                                                                                                                                   EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                      Craniata; Vertebrata;
Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                           FBCBDE50D2F34CD3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         304
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..4e:31;
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                                                               Length 304;
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                                                                                            CRC64;
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Best Local Similarity
Matches 117; Conser
                                                                                                                                                                                                                                                                                                                        HSSP; P43626; IN.....
MGD; MGI:1336212; Ncrl.
InterPro; IPRC03599; Ig.
InterPro; IPRC03006; Ig_MHC.
Pfam; PF00C47; Ig; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
TISSUE=Lymphoid;
MEDLINE=99190527; PubMed=10092106;
MEDLINE=99190527; PubMed=10092106;
Biassoni R., Pessino A., Bottino C., Pende D., Moretta
"The murine homologue of the human NKp46, a triggering
involved in the induction of natural cytotoxicity.";
Eur. J. Immunol. 29:1014-1020(1999).
EMBL; AJ223765; CAB39169.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation updat
                                                                                                                                                                                                                                                                                                        Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
MCBI_TaxID=10090,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Activating receptor 1. NCR1 OR LY94 CR MAR-1.
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                                                                                                                                                                               MUPTUTALLOUGLOLSQRINTEKSTUPKPIIWAKPSIMVTNGNSVNIWOQGAQSASSYQL
                                                                                                                                                                                                        MSPSPTALECTGLCLG-RVPAGSGPLEKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDELELVVTG----TSVTPSRLFTEPPSSV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LVATGVFAKPSISAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ------EKLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQWGSLWSLPSDQLELYATGV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FPLGPVTTAHRGTYRC--FGSYNNHAWSFPSEPVKLLVTGDIENTSLAPED-PTFPARTW
                     TAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVA--EFSEATA
                                                                                                                   YFEGSFFALERPKPSRSMKKVRFFISQMTSHTAGIYTCFYQSGELWSKSSNPLKLVVTGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MSSTLPALLOVGLOLSQRISAQQQTLPKPFIMAEPHFMVPKEKQVTICCQGMYGAVEYQL
TRAHRGTYRC--FGSYNDYANSEPSEPVTLLITGOVENSSLAPTOPTSSLCYWEFTLSTN
                                                       YDTPNLWVYPRPEVTLGENVTFFCQLKTATSKFFLLKERGSNHIQNKYGNIQABFPMGPV
                                                                                    FAKPSLSAOPGPAVSSGGDVTLOCOTRYGFDOFALYKEGDPAPYKNPERWYRASFPILTV
                                                                                                                                                                                                                                                                                                      325 AA;
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                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRELIMINARY;
                                                                                                                                                                                                                                                                                                      37265 MW; ED24E48ABF22F029 CRC64;
                                                                                                                                                                                                                                           25.5%; Shore 455; EB 11; 38.0%; Pred. No. 3.5e-31; tive 36; Mismatches 117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ---EUTTETG------LQKDH----ALWDHTAQNLURMGLAFLVL
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Best Local Similarity 38.0%;
Matches 117; Conservative 3
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STRAIN=C57BL/6J; TISSUE=Bone;
MEDLINE=22354683; PubMed=12466851;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Gr
"Analysis of the mouse transcriptome bas
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
EMBL; AK079401; BAC37635.1; -.
SECUENCE 325 AA; 37237 MW; 42272A976
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O8C567;
O1-MAR-2003 (Tremblrel, 23, 0)
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Mus musculus (Mouse)
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
NCBI_TaxID=10090;
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Pred. No. 3.5e-31;
6; Mismatches 117;
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Pred. No. is the number of results predicted by chance to is score greater than or equal to the score of the result being and is derived by analysis of the total score distribution.

SUMMARIES

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Result No.	Score	% Query Match Longth DB	Longth	a C	מי	Description
1 1 1	986.7	100.0	339	23	AAB61255	Human TANGO 268 pr
ы	1786	100.0	339	24	ABU11221	TANGO 268
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7	1782	99.8	(2) (2) (3)	24	ABU11239	Glycoprotein VI as
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Leukocyte immunogl Human MANGO 511 am	OV27a CG93	cyte immun	LIR-pbm36	GENSET po	V protein	te immuno	9 HM18	n LIR-pbm2 pr	Œ	e TANGO 268 e	an platelet gi	e TANGO 2	re mouse TAN	protein VI a	protein	protein	268-r	TANGO 268-r	TANGO 268-x	coprotein VI ā	se TANGC 268 p	se TANGO 268-r	TANGO 2	GPVI exter	n TANGO 268 e	TANGO 268 e	protein VI	noglobulin F	998	n glycopr	e human TANG	an platelet m	o acid seguen	Glycoprotein VI as

ALIGNMENTS

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Human TANGO 268 protein.
                                    04-APR-2001 (first entry)
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                                                                      AAB61255;
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RESULT 1
AAB61255
AAC AAB6
XX Human; TANGO 268; cardiant; cerobroprotective; cytostatic; anticoagulant; thrombolytic; antiarteriosclerotic; haemostatic; glycoprotein VI; GPVI; platelet membrane glycoprotein receptor; bleeding disorder; stroke; blood vessel injury; thrombotic disorder; haemogrhagic disorder; stroke; 30-JUN-2000; 2000WC-US18152 04-JAN-2001. WO200109810-A1 Homo sapiens. ischaemia; cardiovascular disease; immunological disease; liver disorder

30-JUN-1999; 06-DEC-1999; 14-FEB-2000; (MILL-) MILLENNIUM PHARM INC 9908-0345468. 9908-0454824. 200008-0503387.

Busfield SJ. Villelal J, Jandrot-Perrus <u>:</u>< Vainchencker W, G111 DS,

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RESULT
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Best Local Similarity
Matches 339; Conserv
Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein VI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombos:
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coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease.
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                                                                                                                                                                                                                                                                                                                                   Novel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atheroscierosis
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P-PSDB; ABX17291, ABX17290
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Disclosure; Figure 1; 235pp; English.

This invention relates to a novel purified antibody comprising a variable heavy (VH) complementarity determining region (CDR)1, VH CDR2 (COVERTION (CDR))2, VH CDR2 (COVERTION (CDR))3, VH CDR2 (COVERTION (CDR))3, and COVERTION (CDR)3, and COVERTION (CDR)3, and COVERTION (CDR)4, antigen. The antibodies of the invention act to decrease or COVERTION antigen. The antibodies of the invention act to decrease or COVERTION (COVERTION (COVERTION

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Query Match Best Local S Matches 339 Similarity Conservative 100.0%; Ç. Score 1786; DB 24; Pred. No. 6.2e-141; Mismatches Indels Length O --Gaps

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Qian MD,
                  The present sequence is given in a specification relating to an isolated nucleic acid molecule encoding a platelet membrane glycoprotein receptor glycoprotein VI (GPVI), also called TANGO 268. The GPVI polynucleotides and polypeptides and their modulators, e.g. antisense nucleic acids, ribozymes and antibodies, are useful for preventing, treating and diagnosing disorders associated with aberrant expression or activity of GPVI. These disorders include bleeding disorders
                                                                                                                                                                                                                                                                                                                                                                         WPI; 200
N-PSDB;
                                                                                                                                                                                                                                                      New genes encoding human platelet-expressed collagen receptor glycoprotein VI, and its modulators, useful for preventing, thand diagnosing hemorrhagic disorders, thrombotic diseases and immunological disorders -
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06-DEC-1999; 99US-0454824.
14-FEB-2000; 2000US-0503387.
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Matches 338; Conservative
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06-DEC-1999;
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Best Loc
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       Human; TANGO 268; cardiant; corebroprotective; cytostatic; anticorthrombolytic; antiarteriosclerotic; haemostatic; glycoprotein VI; platelet membrane glycoprotein receptor; bleeding disorder; plocd_vessel injury; thrombotic disorder; haemorrhagic disorder; blocd_vessel injury; thrombotic disorder; haemorrhagic disorder; ischaemia; cardiovascular disease; immunological disease; liver c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New genes encoding human platelet-expressed collagen receptor, glycoprotein VI, and its modulators, useful for preventing, trand diagnosing hemorrhagic disorders, thrombotic diseases and immunological disorders.
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The present sequence is given in a specification relating to an isolated nucleic acid molecule encoding a platelet membrane glycoprotein receptor glycoprotein VI (GPVI), also called TANGC 268. The GPVI polynucleotides and polypoptides and their modulators, e.g. antisense nucleic acids, ribozymes and antibodies, are useful for preventing, treating and claignosing disorders associated with aberrant expression or activity of GPVI. These disorders include bleeding disorders (e.g. thrombocytopaenia), blood vessel injury, thrombotic disorders (c.g. thrombotic occlusion of the coronary arteries), haemorrhagic disorders, coronary artery and cerebral artery diseases (e.g. stroke and ischaemia), cardiovascular diseases (e.g. atherosclerosis and myocardial infarction), immunological diseases (e.g. atherosclerosis and myocardial embryonic liver disorders. Preferably they are used to prevent acture cardiac ischaemia following angioplasty and metastatic cancers, especially of the colon and liver.
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                                                                                                                                                                                                                                                                                                                      Novel substantially purified antibody immunospecifically binding (TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosole
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This invention relates to a novel purified antibody comprising a variable heavy (VH) complementarity determining region (CDR)1, VH CDR2 or VH CDR3, or variable light (VL) CDR1, VL CDR2 or VL CDR3, and immunospecifically binding to a TANGO 268 (also referred as glycoprotein VI (GPVI)) antigen. The antibodies of the invention act to decrease or block TANGO 268 binding to extracellular matrix components, or as a collagen or platelet release and aggregation blocker. The antibodies of

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the invention are useful for modulating proliferation, migration, or morphology, differentiation and/or function of megakaryocytes and contents, including during development e.g. embryogenesis, modulating leukocyte-platelet and platelet-endothelium interactions in the content and platelet endothelium interactions in the content and platelet endothelium interactions in the content and/or thrombosis, and modulating platelet aggregation and degranulation. They are also useful for modulating disorders associated the content of aberrant megakaryocyte and/or platelet proliferation, and interaction, morphology, differentiation and/or function, e.g. bleeding disorders such as thrombocytepaenia. Other diseases which may be modulated by these antibodies are thrombotic disorders, erebral vascular diseases (e.g. stroke and ischaenia) venous thromboembolism of diseases (e.g. diseases involving leg swelling, pain and ulceration, complete the colors of the content of
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                 Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; thrombotic disorder; derebral vascular disease; stroke; ischaemia; venous thromboembolism; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; and inflation; coronary disease; serious coronary disease; serious cardiovascular disease; angina pectonis; myocardial inflation;
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Novel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosclerosis
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                                                                                                                                                                                                                                Disclosure;
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This invention relates to a novel purified antibody comprising a covariable heavy (VH) complementarity determining region (CDR). WI CDR2 or VA CDR3, or variable light (VI) CDR1. WI CDR2 or VI CDR3, and conformation or variable light (VI) CDR1. VI CDR2 or VI CDR3, and conformation or variable light (VI) CDR1. VI CDR2 or VI CDR3, and conformation are useful for antibodies of the invention act to decrease or vI (CDR2) antipodies of the invention act to decrease or conformation are useful for modulating proliferation, migration, conformation and/or function of megakarycoytes and conformation and/or function plocker. The antibodies of the invention are useful for modulating proliferation, migration, colding during development e.g. embryogeness, modulating conformation and/or functions in modulating disorders associated displantation and/or thrombosis, and modulating platelet aggregation and conformation. They are also useful for modulating platelet aggregation and conformation, morphology, differentiation and/or function, e.g. bleeding clistorders such as antibodies are thromboty-function, coronary cliseases (e.g. cardiovascular conformation) and/or platelet activation anglina pectoris, myocardial infarction, coronary restensis, atheroscilcross, etc); coronary diseases (e.g. cardiovascular conformation) and/or platelet activation and so have some advantages over prior art coronary diseases. The antibodies of the invention sequence used to create the antibodies of the invention. create the antibodies of 339 AA; the invention

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Best Local Sim
Matches 338;
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                                                           KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLFSDQLELVATGVFAKPSLSAQP 120
                                                                                                                  MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
                                           KLSSSRYQDQVVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKESLSAQP
                                                                                                   MSPSPTALFCUGLCUGRVPAQSGPLPKPSUQALPSSUVPLEKPVTLRCQGPPGVJUYRUE
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Pred. No. 1.3e-140;
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This invention relates to a novel purified antibody comprising a variable heavy (VH) complementarity determining region (CDR):, VH CDR2 or VH CDR3; or variable light (VI) CDR1, VL CDR2 or VL CDR3, and immunospecifically binding to a TANGO 268 (also referred as glycoprotein VI (GPVI) antiger. The antibodies of the invention act to decrease or block TANGO 268 binding to extracellular matrix components, or as a Collagen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation, migration, morphology, differentiation and/or function of megakaryocytes and platelets, including during development e.g. embryogenesis, modulating leukocyte-platelet and platelet-endothelium interactions in inflammation and/or thrombosis, and modulating platelet aggregation and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      leg swelling; pain; ulceration; pulmonary embolism; coronary disease; cardiovascular disease; angina pectoris; myocardial infarction; coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel substantially purified antibody immunospecifically binding TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atheroscl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; throm
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cc degranulation. They are also useful for modulating disorders associated cc with abnormal or aberrant megakaryocyte and/or platelet proliferation, cc migration, morphology, differentiation and/or function, e.g. bleeding cd disorders such as thrombocytopaenia. Other diseases which may be condulated by these antibodies are thrombotic disorders, derebral cc diseases (e.g. stroke and ischaemia) venous thromboembolism cc diseases (e.g. stroke and ischaemia) venous thromboembolism cc diseases (e.g. diseases involving leg swelling, pain and ulceration, corporary cd diseases including angina pectoris, myocardial infarction, corporary cc restenosis, atherosclerosis, etc); immunological disorders, developmental disorders, embryonic disorders, liver disorders, developmental disorders, embryonic disorders, liver disorders, developmental disorders, thromboembolism disease, corporary diseases, and metastatic cancers. The antibodies of the invention only causes a transient decrease in platelet counts, platelet aggregation, and/or platelet activation and so have some advantages over prior art corporate the antibodies of the invention sequence used to create the antibodies of the invention.
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                    RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
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RESULT 10 ABU11242 ID ABU11

ABU11242 standard; Protein; ب و و ξ,

ABU11242;

06-FEB-2003 (first entry

Glycoprotein ٧I associated protein sequence #4.

Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombosytopaenia; antibody; thrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; leg swelling; pain; ulceration; pulmonary embolism; coronary disease; cardiovascular disease; angina pectoris; myocardial infarction; coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease. Homo sapiens

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                                                                                                                                                                                                                                                                                                                                                                                                                               This invention relates to a novel purified antibody comprising a corvariable heavy (VH) complementarity determining region (CDR). WH CDR2 or variable light (VL) CDR1, VL CDR2 or VL CDR3, in WH CDR2 cor VH CDR3 is variable light (VL) CDR1, VL CDR2 or VL CDR3, in WH CDR2 cor VH CDR3 is a supported as glycoprotein (CDR1) antibodies of the invention act to decrease or CD block TANGC 268 binding to extracellular matrix components, or as a CD collagen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation, migration, comprisingly, differentiation and/or function of megakaryocytes and CD platelets, including during development e.g. embryogenesis, modulating cleakocyte-platelet and platelet-endothelium interactions in comprising degrantiation. They are also useful for modulating platelet aggregation and confident thrombosis, and modulating platelet aggregation and degrantiation. They are also useful for modulating platelet aggregation and confident abnormal or aberrant megakaryocyte and/or function, e.g. blocking confident and/or platelet proliferation, confident as thrombosis, and inchaental venous thromboembolism of seases which may be confident diseases such as thromboembolism and/or platelet proliferation, confident diseases including angina pectoris, myocardial infarction, coronary diseases including angina pectoris, myocardial infarction, coronary diseases, venous thromboembolism disease, coronary diseases, carbivation and so there to accord diseases, carbivation and so there are althoughes as fine invention only causes a compatible activation and so have some advantages over prior art compatible diseases. The antibodies of the invention englance used to create the antibodies of the invention.
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RESULT 11
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                                                                                                                                                                                                                                                                                                                                                Human; hydrophobic protein; secretory protein; membrane protein; sepsis; tumour inhibition; immune deficiency; autoimmune disorder; anaemia; burn; infectious disease; cancer; ulcer; periodontal disease; coagulation; Farkinson's disease; fertility; immune response; thrombosis.
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                                                                                                                                                                                                                                                                                                                                                                                    sequence of a human protein having a hydrophobic
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have activities solated human proteins and stimulating activity and ncinding nd polynuclectides are used in research and cell proliferation/differentiation activity, receptor/ligand activity

N-PSDB; AAF25158, AAF25168

Kuto

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Kimura T;

08-JUL-1999;

99JP-0194359

SAGAMI CHE PROTEGENE

CHEM RES CENT

16-JUN-2000; 2000WO-JP03942.

Claim 1; Page 88-90; 151pp; English

The present sequence represents a human protein with hydrophobic domains. The protein possesses a hydrophobic domain and so is a secretory protein or a membrane protein. The protein is used as an antigen to prepare antibodies. The polynucleotide sequence is useful as a source of probes for genetic diagnosis. It is also useful for producing the protein of in large quantities and for gene therapy. The eukaryotic cells are used for detecting small novel pharmaceuticals. The antibodies are also used for detecting small novel pharmaceuticals. The antibodies are also used for detection, quantification and purification of the proteins. Both the protein and polynucleotide may be used in research or as nutritional sources or supplements. The protein may have cytokine and cell condiferation/differentiation activity, immune stimulating or suppressing activity, hematopoiesis regulating activity, tissue growth activity, activity, hemotopoiesis regulating activity, tissue growth activity, activity and tumour inhibition activity. It may therefore may be used to treat immune deficiencies resulting from autoimmune disorders or infectious disease, cancer, sepsis, anaemias, burns and ulcers, commune response and enhance conditation or inhibit thrombosis enhance coagulation or inhibit thrombosis

Sequence 339 **A**A;

Query Match

99.1%; Score 1770; Ð 22; Length 339,

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RESULT 12
AAY72790
AAY7272
AC AAY72
AC 
                                                                                                                                01-SEP-1999;
08-OCT-1999;
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24..339
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(GPVI) protein"
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Best Local S
Matches 336
                                                                                                                                                                                                  Human; TANGO 268; cardiant; cerebroprotective; cytostatic; anticoagulant; thrombolytic; antiarteriosclerotic; haemostatic; glycoprotein VI; GPVI; platelet membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; haemorrhagic disorder; stroke; ischaemia; cardiovascular disease; immunological disease; liver disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is a human platelet membrane glycoprotein VI (GPVI). The medicament comprising GPVI is useful for treating vascular disease, and for reducing platelet activation which involve contacting platelets with the medicament. The extracellular portion GPVI is used therapeutically to attenuate platelet activation and aggregation and to treat thrombosis and other vascular diseases. Antibodies generated against GPVI are used as research and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Anti-thrombotic medicament, comprising a polypeptide having the extracellular domain of platelet membrane glycoprotein VI or its variant, useful for treating a vascular disease and reducing platelet activation -
                                                                                                                                                                                                                                                                                                                                                                   Mature human
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Pred. No. 1.1e-138; 
C; Mismatches 3;
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c; glycoprotein VI; GPVI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is given in a specification relating to an isolated of nucleic acid molecule encoding a platelet membrane glycoprotein receptor glycoprotein vi (GPVI), also called TANCO 268. The GPVI polynucleotides and polypeptides and their modulators, e.g. antisense nucleic acids, cribozymes and antibodies, are useful for preventing, treating and control c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local .
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06-DEC-1999;
14-FEB-2000;
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Qian MD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New genes encoding human platelet-expressed collagen receptor glycoprotein VI, and its modulators, useful for preventing, thand diagnosing hemorrhagic disorders, thrombotic diseases and immunological disorders -
                          AAB49403;
                                                                         AAB49403
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                                                                                                                                                                                                                                                                                                  DQFALYKSGUPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEL
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Kingsbury G;
                                                                         standard;
                                                                                                                                                                                                                             SHGGQDGGRQDVHSRGLCS
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                                                                                                                                                                                                  SHGGQDGGRQDVIISRGLCS
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Query Match
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Matches 319
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-007394/01.
N-PSDB; AAC83980.
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                                                                                                                         ARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVORFLPFLPPLPOTRK
                                                                                                                                                                                                                   VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                          SLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLOCCTRYGF
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SHGGQDGGRQDVHSRGLCS
                                     SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                     DOFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSROPYLWSAPSOPLEL
                                                                                                                                                                                                                                                                                                                 DQFALYXEGDPASYXXPRAYRASFPIITVTAAASGTYRCYSFSSRCPYLWSAPSCPLEL
                                                                                                                                                                                       VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITT
                                                                                       ARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRK
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llarity 100.0%; F
Conservative C;
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Pred. No. 6.1e-132;
C; Mismatches C;
 319
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                   This invention relates to a novel purified antibody comprising a CC variable heavy (VH) complementarity determining region (CDR)1, VH CDR2 or VH CDR3, or variable light (VL) CDR1, VL CDR2 or VL CDR3, and CC immunospecifically binding to a TANGO 268 (also referred as glycoprotein CC VI (GPVI)) antigen. The antibodies of the invention act to decrease or VI (GPVI) antigen. The antibodies of the invention act to decrease or CC Collagen or platelet release and aggregation blocker. The antibodies of the invention act to decrease or CC cliagen or platelet release and aggregation blocker. The antibodies of the invention act to decrease or CC lagen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation. Migration, CC morphology, differentiation and/or function of megakarycoytes and platelet platelet aggregation and completels, including during development e.g. crbryogenesis, modulating lieration. They are also useful for modulating disorders associated with abnormal or aberrant regakarycoyte and/or platelet proliferation, CC migration, morphology, differentiation and/or function, e.g. bleeding considered by these antibodies are thromboliated disorders, e.g. bleeding considered by these antibodies are thrombolic disorders, cerebral considered by these antibodies are thrombolic disorders, cerebral conseases (e.g. stroke and ischammis) venous thromboembolism conserved thromboembolism and ulceration, coronary embolism, etc); coronary diseases (e.g. cardiovascular diseases (e.g. stroke and ischammis) venous thromboembolism are conserved and metastatic cancers. The antibodies of the invention only causes a complate activation and so have some advantages over prior art and conserved to complete advantages over prior art.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; mouse; variable heavy; VH; antigen; dancer; complementarity determining region; TANGO 268; glycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; thrombotic disorder; derebral vascular disease; stroke; ischaemia; venous thromboembolism; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; leg swelling; pain; uiceration; pulmonary embolism; coronary disease; angina pectoris; myocardial infarction; coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; invocable disorder; developmental disorder; embryonic disorder; invocable disorder; developmental disorder; embryonic disorder; disorder; developmental disorder; embryonic disorder; disorder; developmental disorder; embryonic disorder; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombodytopenia, stroke, ischemia, pulmonary embolism, atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Busfield SJ,
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                                                                                                                                                                                                                                                                                                                                                                                                              QSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSSSRYQDQAVLFIPAMKR
SHGGQDGGRQDVHSRGLCS
                                                                                                                                                      VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                DOFALYKEGDPAPYKNPERWYRASPPIITVTAAHSGTYROYSPSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                           SLAGRYRCSYQNGSLWSLPSDQLBLVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGF
                                     SHGGODGGRODVHSRGLCS
                                                                                                    ARCYYTKGNIVRICIGAVIIIILAGFIAEDWHSRRKRLRHRGRAVORFLPPLPPLPDTRK
                                                                                                                                                                            VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
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Pred. No. 6.1e-132;
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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1: /cgn2_6/ptodata/1/pubpaa/US07_PUECCMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_PUBCCMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/US08_PUBCCMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US08_PUBCCMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCCMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCCMB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCCMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

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17: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

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18: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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Match Length DB
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          9 US-09-332-312-3

US-10-157-031-387

US-09-332-312-36

US-09-332-312-36

US-09-332-312-40

US-09-332-312-40

US-10-446-926-5

US-09-832-312-9

US-09-832-312-9

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Sequence 3, Appl Sequence 36, Appl Sequence 36, Appl Sequence 36, Appl Sequence 40, Appl Sequence 5, Appl Sequence 5, Appl Sequence 6, Appl Sequence 9, Appl Sequence 16, Appl Sequence 16, Appl Sequence 16, Appl Sequence 42, Appl Sequence 44, Appl Sequence 44, Appl Sequence 46, Appl
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                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Busfield et al.
FILLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF
FILLE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRICR APPLICATION NUMBER: 09/610,118
PRICR FILING DATE: 2000-06-30
PRICR FILING DATE: 2000-02-14
PRICR APPLICATION NUMBER: 09/503,387
PRICR APPLICATION NUMBER: 09/454,824
PRICR APPLICATION NUMBER: 09/454,824
PRICR APPLICATION NUMBER: 09/345,468
PRICR APPLICATION NUMBER: 09/345,468
PRICR FILING DATE: 1999-12-06
PRICR FILING DATE: 1999-26-30
NUMBER OF SEQ ID NOS: 76
SCOTWARE: FastSEQ for Windows Version 3.0
SEQ ID NC 3
LENGTH: 339
TYPE: PRT
GRANISM: Homo sapiens
US-09-832-312-3
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US-09-832-312-3
; Sequence 3, Application US/09832312
; Patent No. US20010049829A1
; GENERAL INFORMATION:
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US-C9-87C-759-50
US-C9-87C-759-50
US-C9-751-708A-50
2 US-C9-751-708A-50
2 US-C9-751-708A-50
2 US-10-139-662-18
5 US-10-139-662-12
US-10-139-662-12
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US-C9-832-312-12
US-C9-832-312-12
US-10-139-662-30
US-CS-10-139-662-30
US-CS-10-139-662-16
US-10-139-662-16
US-10-139-662-16
US-10-139-683-14
US-10-139-682-16
US-10-290-631-14
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US-10-290-631-14
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Sequence 387, Application US/10157031
Publication No. US2003010889CA1
GENERAL INFORMATION:
APPLICANT: Baranova, A. V.
APPLICANT: Kozlov, A. V.
APPLICANT: Kozlov, A. V.
APPLICANT: Kozlov, A. V.
APPLICANT: Krukovskaya, I. L.
TITLE OF INVENTION: In silico screening for FILE REFERENCE: 2760-103
CURRENT APPLICATION NUMBER: US/10/157,031
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 415
SOFTWARE: Patentin version 3.1
ENGTH: 339
  RESULT 3
US-09-832-312-34
; Sequence 24, Application US/09832312
; Patent No. US20010049829A1
; GENERAL INFORMATION:
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/ ORGANISM: Homo sapiens
US-10-157-031-387
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TITLE CF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-08-30
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NO.34
SEQ ID NO.34
LENGTH: 339
TYPE: PRT
ORGANISM: Homo sapiens
US-09-832-312-34
GENERAL INCOMPATION:
APPLICANT: BUSFIELD et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-66-30
NUMBER OF SEQ ID NOS: 78
SCETWARE: FASTSEC for Windows Version 3.0
SEQ ID NO 36
LENGTH: 339
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US-09-832-312-36
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; Patent No. US20010049829A1
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Sequence 38, Application US/C9832312

Patent Mo. US20010049829A1

GENERAL INFORMATION:

APPLICANT: Busfield et al.

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE FILE REFERENCE: 783-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2000-04-09

PRIOR APPLICATION NUMBER: 39/613,118

PRIOR FILING DATE: 2000-05-30

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR APPLICATION NUMBER: 09/345,468

PRIOR FILING DATE: 1999-06-30

NUMBER OF SED ID NOS: 78

SEC ID NC 38

LENGTH: 339

TYPE: PRT

CRGANISM: Homo sapiens

US-09-832-312-38
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US-09-832-312-38
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Matches 338; Conserv
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1 MSPSPTALECLGLCLGRVPAQSGPLPKPSLQALPSSLVPLWKPVTLRCQGPPGVDLYRLE 60
                                                                                                                             KLSSSRYQDQAVUFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                  GPAVSSGGDVTLQCQTRYGFDQFALYKBGDPAFYKNPERWYRASFPIITVTAAASGTYRC 180
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  GPAVSSGGDVTLQCQTRYGFDQFALYKEGDFAPYKKPERWYRASFPILTATAAHSGTYRC
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0; Mismatches 1;
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Pred. No. 4.4e-139;
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Patent No. US20010049829A1

GENERAL INFORMATION:

APPLICANT: Busfield et al.

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRICA APPLICATION NUMBER: 09/610,118

PRICA FILING DATE: 2000-06-30

PRICA APPLICATION NUMBER: 09/503,387

PRICA FILING DATE: 2000-02-14

PRICA APPLICATION NUMBER: 09/454,824

PRICA FILING DATE: 1999-12-06

PRICA APPLICATION NUMBER: 09/345,468

PRICA FILING DATE: 1999-06-30

NUMBER OF SEQ ID NCS: 78

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 40

LENGTH: 339

TYPE: PRI
RESULT 7
US-10-446-826-5
; Seguence 5, Application US/10446826
; Publication No. US20030186885A1
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US-09-832-312-40
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Best Local Similarity
Matches 338; Conserv
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                                                                                                                                                                             TETSRSITISPKESDSFAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRE
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99.7%;
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Pred. No. 4.4e-139;
D; Mismatches 1;
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SCFTWARE: Patentin Ver. 2
SEQ ID NO 5
LENGTH: 339
TYPE: PRT
CRGANISM: Homo sapiens
US-10-446-826-5
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APPLICANT: SUM, BING
APPLICANT: VAMANCTC, MACMASH
APPLICANT: VAMANCTC, MACMASH
ITITLE OF INVENTION: PLATELET MEMBRANE GLYCOPROTEIN VI (GPVI) DNA
TITLE OF INVENTION: PROTEIN SECTENCES, AND USES THEREOF
FILE REFERENCE: 03459.0026-00000
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: US/09/653,2558
PRIOR APPLICATION NUMBER: 9CT/US00/23975
PRIOR APPLICATION NUMBER: PCT/US00/23975
PRIOR APPLICATION NUMBER: FCM/152,197
PRIOR APPLICATION NUMBER: 60/152,197
PRIOR APPLICATION NUMBER: 60/158,251
PRIOR APPLICATION NUMBER: 60/158,251
APPLICANT: Busfield et al.
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPRCTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-30
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US-09-832-312-5
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Best Local Similarity
Matches 336; Conserv
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Pred. No. 3.5e-137;
0: Mismatches 3;
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TITLE CF INVENTION GLYCOPROTEIN VI AND USES THEREOF
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRICE APPLICATION NUMBER: 09/610,118
PRICE FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-02-14
PRICE FILING DATE: 2000-02-14
PRICE APPLICATION NUMBER: 09/454,524
PRICE FILING DATE: 1999-12-06
PRICE FILING DATE: 1999-12-06
PRICE FILING DATE: 1999-06-30
NUMBER OF SEO ID NOS: 78
SCFTWARE: FASTSEQ for Windows Version 3.0
SEC ID NO 9
LENGTH: 249
TYPE: PRT
CREANISM: Home sapiens
US-09-832-312-9
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; SOFTWARE: FastSEQ for Windows Version
; SEQ ID NO 5
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-832-312-5
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US-09-832-312-9
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APPLICANT: Busfield et al.
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Best Local Similarity
Matches 319; Conserv
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Best Local Similarity
Matches 249; Conserv
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                                                     ARQYYTKGNUVRICUGAVIUTILAGFLAEDWHSRRKRURHRGRAVQRPUPPUPPUPPUPQTRK
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100.0%;
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GENERAL INFORMATION:
APPLICANT: TANDON, NARENDRA N.
APPLICANT: TANDON, NARENDRA N.
APPLICANT: SUN, BING
APPLICANT: NAKAMURA
APPLICANT: YAMAMOTO, NAOMASA
TITLE OF INVENTION: PLATELET MEMBRANE GLYCOPHOTEIN VI (GPVI) ENA AND
TITLE OF INVENTION: PROTEIN SEQUENCES, AND USES THEREOF
FILE REFERENCE: 03459,0026-00000
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: US/10/446,826
CURRENT FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: PCT/US00/23975
PRIOR APPLICATION NUMBER: PCT/US00/23975
PRIOR APPLICATION NUMBER: 60/152,197
PRIOR APPLICATION NUMBER: 60/152,197
PRIOR APPLICATION NUMBER: 60/159,251
PRIOR FILING DATE: 1999-0-01
PRIOR FILING DATE: 1999-10-08
NUMBER OF SED ID NOS: 37
SOFTWARE: Patentin Ver. 2.1
SEC ID NC 37
LENGTH: 369
TYPE: PRT
ORGANISM: Homo sapiens
RESULT 11
US-09-832-312-16
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Matches 249
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 Application
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   US/09832312
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         Sequence 48, Application US/09832312;
Patent No. US20010049829A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GEYCOPROTEIN VI AND USES THE FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR PRILING DATE: 2000-66-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
MUMBER OF SEC ID NOS: 78
SOFTWARE: PSECSEQ for Windows Version 3.0
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APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT APPLICATION NUMBER: 09/610.118
PRIOR APPLICATION NUMBER: 09/610.118
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-30
NUMBER: 0F SEC ID NOS: 78
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/ TYPE: PRT
/ ORGANISM: Mus musculus
US-09-832-312-16
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Best Local Similarity
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Pred. No. 1.3e-84;
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APPLICANT: BUSING OF SEVEN

APPLICANT: BUSING OF ALL

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF

FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR FILING DATE: 2000-02-14

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

SOFTWARE: FastSEC for Windows Version 3.0

SEO 1D NO 42

LENGTH: 313

TYPE: PRI
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/ ORGANISM: Mus musculus
US-09-832-312-42
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US-09-832-312-42
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; TYPE: PRT
; ORGANISM: Yus musculus
US-09-832-312-48
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                                                                                                                                                                      Query Match 62.6%; Score III8; DB 9; Length 313; Best Tocal Similarity 69.1%; Pred. No. 2.7e-84; Matches 217; Conservative 25; Mismatches 68; Indels
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Fatent No. US20010049829A1
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Matches 218; Conserv
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                                                                                                                            TTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILILAGELAEDWHSRRKRLR
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                                SKIKPEKYEDQDEUFIPTMERSNYGRYRCSYQNGSHWSLPSDQLELIATGYYAKPSUSAH 120
                                                       EKISSSRYQDQAVLEIPAMKPSLAGRYRCSYQNGSLWSLPSDQLELVATGVEAKPSISAQ 119
                                                                                                    WSPASPTFFCIGLCVLCVIQTOSGPLPKPSLOACPSSLVPLGOSVILRCQGPPDVDLYRL
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PGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYR
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59.4%;
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Pred. No. 1.3e-84;
5; Mismarches 67;
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Sequence 44, Application US/09832312
Patent No. US20010C49829A1
GENERAL INFORMATION:
APPLICANT: Busfield et al.
FITTLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 78
SCOTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 44
LENGTH: 313
TYPE: PRO
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US-09-632-312-44
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/ ORGANISM: Mus musculus
US-09-832-312-44
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Sest Local Similarity 69.1%;
Matches 217; Conservative 25
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Pred. No. 2.7e-84;
5; Mismatches 68
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RESULT 15 US-09-832-312-46

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Sequence 46, Application US/09832312

Patent No. US20010049829A1

GENERAL INFORMATION:

APPLICANT: Busfield et al.

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF

FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-05

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR PRILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-06-30

NUMBER OF FASUSEQ for Windows Version 3.0

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LENGTH: 313

TYPE: PRIT

ORGANISM: Mus museculus

US-09-832-312-46
Search completed: October 23, 2003, 09:51:23 Tob time: 72 secs
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Patent No. 6245527

GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Villeval, J.
APPLICANT: Vainchenker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 339
TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity 100.0%;
Matches 339; Conservative 5;
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US-09-414-453A-3

Seguence 3, Application Patent No. 6383779

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GENERAL INFORMATION:

APPLICANT: Busfield, S.

APPLICANT: Villeval, J.

APPLICANT: Villeval, J.

APPLICANT: Vainchenker, W.

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147

CURRENT APPLICATION NUMBER: US/09/414,453A

CURRENT FILING DATE: 1999-10-07

PRIOR APPLICATION NUMBER: 09/345,468

PRIOR FILING DATE: 1999-06-30

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 3

LEMING DATE: 1999-06-30
                       APPLICANT: Busfield et al.
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR APPLICATION NUMBER: 09/503,367
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 3.0
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TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: 09/345,469
PRIOR FILING DATE: 1999-05-30
NUMBER OF SEQ ID NCS: 78
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 34
LENGTH: 339
TYPE: PRT
ORGANISM: Homo Sapiens
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; TYPE: PRT
; CRGANISM: Homo s
US-09-832-312-3
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US-09-832-312-34
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Sequence 34, Appr
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Pred. No. 8.3e-158;
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LENGTH: 339
TYPE: PRT
ORGANISM: Homo sapiens

Query Match Best Local Sim: Matches 339;

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APPLICANT: Busfield et al.
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: 18/03/832,312
CURRENT FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-66-30
NUMBER OF SEC ID NOS: 78
SOFTWARE: FASTSEQ for Windows Version 3.0
SEC ID NO 36
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US-09-832-312-36
: Sequence 36, Application US/09832312
: Patent No. 6548741
: GENERAL INFORMATION:
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Pred. No. 2e-157;
0; Mismatches
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GENERAL INFORMATION:

APPLICANT: Busfield et al.

FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR PRICATION NUMBER: 09/45,468

PRIOR FILING DATE: 1999-06-30

NUMBER OF SO ID NOS: 78

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 38

LENGTE: 339

TYPE: PRI
           Sequence 40, Application US/09832312

Patent No. 6548741

GENERAL INFORMATION:

APPLICANT: Busfield et al.

TITLE OF INVENTION: GLYCOPRCTEIN VI AND USES THE

FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-10-30

NUMBER OF SECIENT OF SE
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US-09-832-312-40
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Best Local :
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 FastSEQ
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Pred. No. 2e-157;
C; Mismatches
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US-09-345-468-5

Sequence 5, Application US/09345468

Patent No. 6245527

GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Jandrot-Perrus, M.
APPLICANT: Vainchenker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 5
LENGTH: 319
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-345-468-5
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US-09-832-312-40
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Best Local Similarity 100.0%; P
Matches 319; Conservative 0;
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Best Local Similarity 99.6
Matches 338; Conservative
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VV/GTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGE
                    DCFALYKEGDPAPYKNPERWYRASEPIITVTAAHSGTYRCYSESSRDPYLWSAPSDPLEL
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Pred. No. 2e-157;
0; Mismatches 1;
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RESULT 10
US-03-832-312-5
US-03-832-312-5
; Sequence 5, Application US/09832312
; Patent No. 6548741
; GEMERAL INFORMATION:
APPLICANT: Busfield et al.
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
; FILE REFERENCE: 7853-234
; CURRENT APPLICATION NUMBER: US/09/832,312
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Patent No. 6383779
GENERAL IMFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Vainchenker, W.
APPLICANT: Vainchenker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/414,453A
CURRENT FILING DATE: 1999-10-07
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-66-30
NUMBER OF SEQ ID NOS: 24
SOPTWARE: FastSEQ for Windows Version 3.0
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; ORGANISM: Homo
US-09-414-453A-5
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US 09-414-453A-5
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SOFTWARE: Fast
SEQ ID NO 5
SENGTH: 319
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sest Local Similarity 100.0%;
Matches 319; Conservation
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APPLICANT: Busfield, S.
APPLICANT: Willeval, J.
APPLICANT: Villeval, J.
APPLICANT: Vainchenker, W.
APPLICANT: Vainchenker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEC ID NO 9
LENGTH: 249
TYPE: PRT
CRGANISM: Homo sapiens
US-09-345-468-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LENGTH: 319
| TYPE: PRT
| ORGANISM: Homo s
| US-09-832-312-5
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PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-C6-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-30
NUMBER: 09/845,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 3.
SEQ ID NO 5
LENGTH: 319
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US-09-345-468-9
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                                         Query Match 73.0%; Score 1304; DB 3; Best Local Similarity 100.0%; Pred. No. 3e-113; Matches 249; Conservative 0; Mismatches 0;
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Best Local
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Similarity 100.0%; Fred. No. 9.1e-148;
19; Conservative 0; Mismatches 0;
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QSGPLPKPSLQALPSSLVFLEKPVTLRCQGPPGVDLYRLEKLSSSRYQDQAVLEIPANKR
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RESULT 13
US-09-832-312-9
; Sequence 9, Application US/09832312
; Patent No. 6548741
; GENERAL INFORMATION:
; APPLICANT: Busfield et al.
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Sequence 9, Application US/09414453A
Patont No. 6383779
GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Villeval, J.
APPLICANT: Vaincherker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/414,453A
CURRENT FILING DATE: 1999-10-07
FRIOR APPLICATION NUMBER: 09/345.468
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 9
LENGTH: 249
TYPE: PRT
CRGANISM: Homo sapiens
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US-09-414-453A-9
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Sequence 16, Application US/09345468

Patent No. 6245527

GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Valneherker, M.
APPLICANT: Varneherker, M.
APPLICANT: Varneherker, M.
APPLICANT: Varneherker, M.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
LENGTH: 313
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FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR FILING DATE: 2000-02-14

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/3454,824

PRIOR APPLICATION NUMBER: 09/3454,824

PRIOR APPLICATION NUMBER: 09/3454,824

PRIOR FILING DATE: 1999-06-30

NUMBER: 09/345,469

PRIOR FILING DATE: 1999-06-30

NUMBER: 09/345,469
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                                                                                                                               ) TYPE: FRT GRGANISM: Mus musculus US-09-345-468-16
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US-09-345-468-16
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; TYPE: PRT
; ORGANISM: Homo sapions
US-09-832-312-9
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Matches 218
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                                                             Score 1122; DB 3;
Pred. No. 3.3e-96;
5; Mismatches 67;
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CURRENT APPLICATION NUMBER: US/09/414,453A
CURRENT FILING DATE: 1999-10-07
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
LENGTH: 313
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                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 218; Conserv
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APPLICANT: Villeval, J.
APPLICANT: Jandrot-Perrus, M.
APPLICANT: Vainchenker, W.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
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ORGANISM: Mus
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